Interactive Whiteboard

User Manual

The Integrated Interactive Whiteboard Solution is cutting-edge software that allows free expression and the use of various content through a large touch screen, making the classroom atmosphere more dynamic, exciting and effective compared with the conventional blackboard environment.

SAMSUNG

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01

Integrated Interactive Whiteboard Solution

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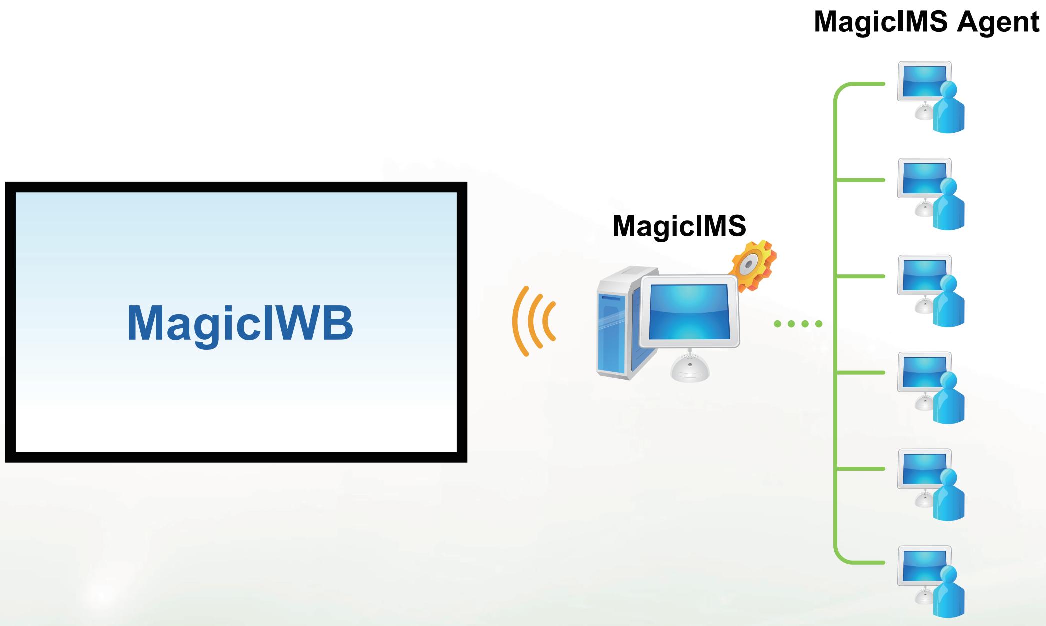
About the Integrated Interactive Whiteboard Solution



The Integrated Interactive Whiteboard Solution is cutting-edge software that allows free expression and the use of various content through a large touch screen, making the classroom atmosphere more dynamic, exciting and effective compared with the conventional blackboard environment.

Interactive classes will be given to students who are connected over the network to a teacher, who will lead each lesson using the diverse features of the Interactive Whiteboard.

Any element that can be displayed on the screen can become lesson material.

1-2

Composition

The Integrated Interactive Whiteboard Solution includes the following programs to enable interactive learning activities.

Note

- ✓ In this Manual, Interactive Whiteboard represents MagicIWB, Quiz Tool Represents MagicIMS Quiz Tool and File Viewer Represents MagicIWB File Viewer.

MagicIWB (Magic Interactive Whiteboard)

A variety of contents including text, images and videos can be used on the MagicIWB providing effective lessons.

MagicIMS (Magic Interactive Management Solution)

MagicIMS (Magic Interactive Management Solution) is a program that allows a device used by a teacher and devices used by students (MagicIMS Agent) to share display output with each other. The program can be used to administer lessons. When you install this program, the (MagicIMS Quiz Tool) program, which allows you to create poll files or exam papers that can be used in classes, will also be installed. Classroom Management is installed and used on the teacher's PC.

MagicIMS Agent (Magic Interactive Management Solution Agent)

MagicIMS Agent is a program used during lessons to enable interaction between the Interactive Whiteboard and the student's PC.

Install the program on devices used by students.

MagicIWB FileViewer (Magic Interactive Whiteboard Fileview)

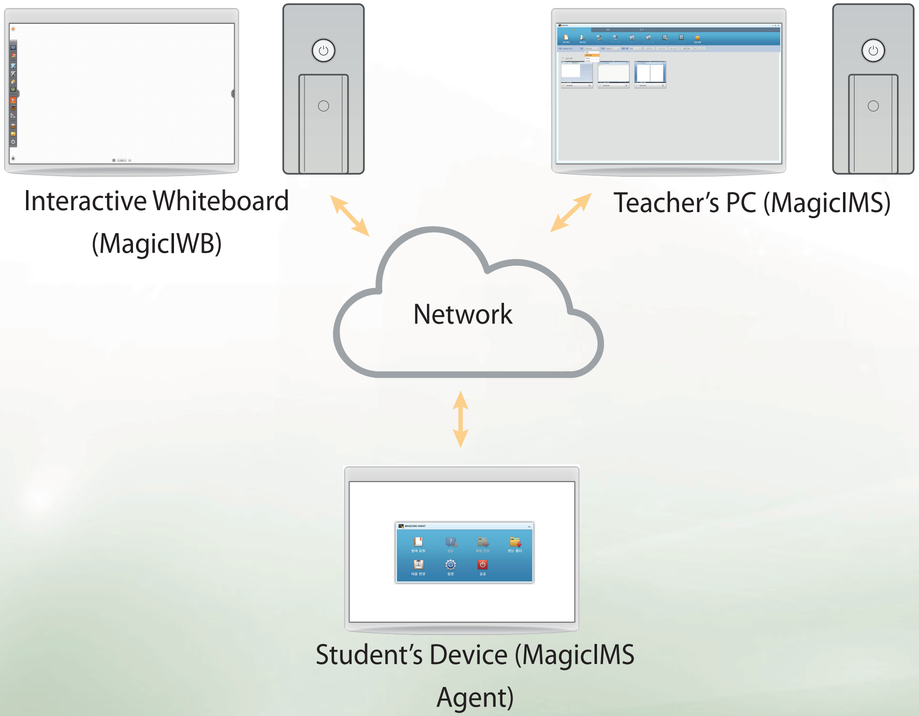
MagicIWB FileViewer is a program used to read and print documents created on the Interactive Whiteboard.

1-3

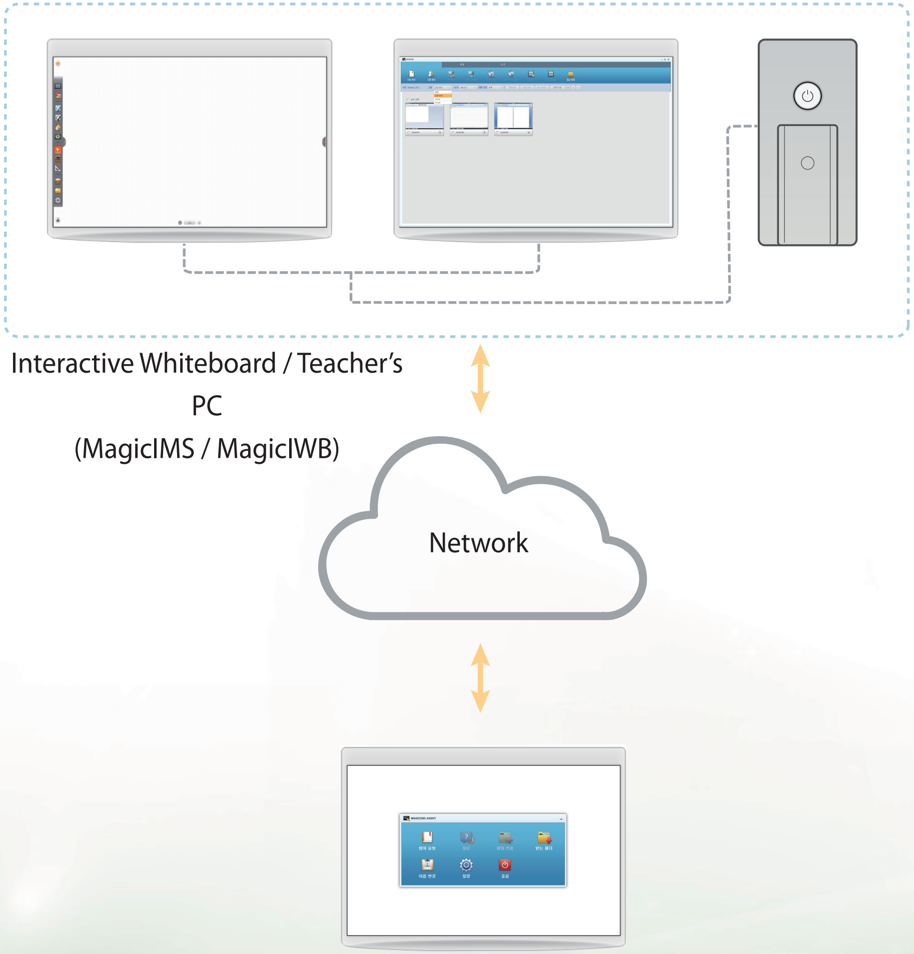
Connection diagram

The Interactive Whiteboard solution can be configured in the following two ways.
The first option is recommended which involves installing MagicIWB and MagicIMS on different PCs.

Installing MagicIWB and MagicIMS on different PCs


Interactive Whiteboard (MagicIWB)
Teacher's PC (MagicIMS)
Network
Student's Device (MagicIMS Agent)

Installing MagicIWB and MagicIMS on the same PC


Interactive Whiteboard / Teacher's PC
(MagicIMS / MagicIWB)
Network
Student's Device (MagicIMS Agent)

1-4

Restrictions

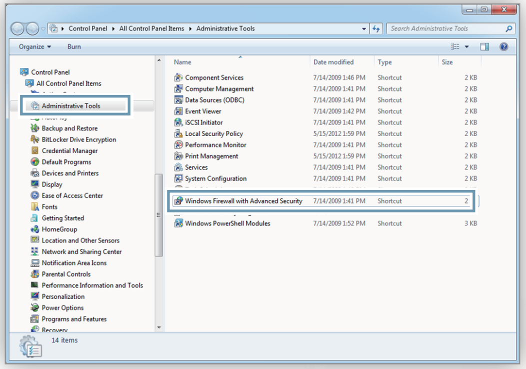
- Make sure to install the Interactive Whiteboard solution using the administrator account on the computer. Run MagicIMS and MagicIMS Agent as the administrator account also.
- When using MagicIMS, the IP addresses of the PCs on which the Interactive Whiteboard, MagicIMS and MagicIMS Agent are installed must share the same gateway.
- The Interactive Whiteboard (MagicIWB) and teacher PC (MagicIMS) can be connected over a wired or wireless network. A wired network connection is recommended.
- A maximum of 64 student PCs (MagicIMS Agent) can connect simultaneously to MagicIMS through wired connections.
- The length a line that can be drawn on the screen with a single touch is limited. You cannot draw a line longer than the limit. Pause the touch on the screen briefly and resume drawing.
- Using Eraser to erase dotted lines drawn can change the spacing between the dotted lines.
- When sharing (Share Screen) the Interactive Whiteboard screen or a student PC screen, the screen or menu may blink while the shared screen is displayed depending on PC or monitor specifications.
- You may experience a temporary flicker or image retention on the screen depending on the performance of the PC.

1-5

Settings according to the Operating System

To launch the Interactive Whiteboard properly on Windows 7 or Windows 8, make sure to configure the following settings before installing the program.

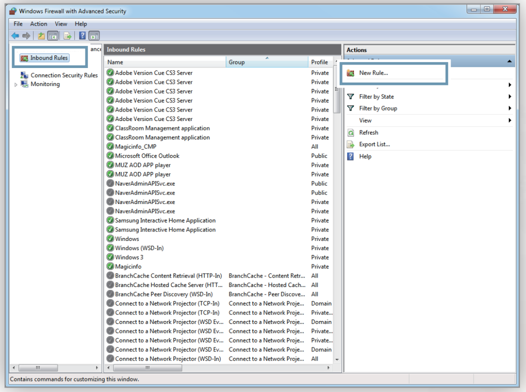
1.


Control Panel ▸ All Control Panel Items ▸ Administrative Tools
Search Administrative Tools
Organize
Burn
Control Panel
All Control Panel Items
Administrative Tools
Backup and Restore
BitLocker Drive Encryption
Credential Manager
Default Programs
Devices and Printers
Display
Ease of Access Center
Fonts
Getting Started
HomeGroup
Location and Other Sensors
Network and Sharing Center
Notification Area Icons
Parental Controls
Performance Information and Tools
Personalization
Power Options
Programs and Features
Recovery
14 items

Name	Date modified	Type	Size
Component Services	7/14/2009 1:46 PM	Shortcut	2 KB
Computer Management	7/14/2009 1:41 PM	Shortcut	2 KB
Data Sources (ODBC)	7/14/2009 1:41 PM	Shortcut	2 KB
Event Viewer	7/14/2009 1:42 PM	Shortcut	2 KB
iSCSI Initiator	7/14/2009 1:41 PM	Shortcut	2 KB
Local Security Policy	5/15/2012 1:59 PM	Shortcut	2 KB
Performance Monitor	7/14/2009 1:41 PM	Shortcut	2 KB
Print Management	5/15/2012 1:59 PM	Shortcut	2 KB
Services	7/14/2009 1:41 PM	Shortcut	2 KB
System Configuration	7/14/2009 1:41 PM	Shortcut	2 KB
Windows Firewall with Advanced Security	7/14/2009 1:41 PM	Shortcut	2
Windows PowerShell Modules	7/14/2009 1:52 PM	Shortcut	3 KB

Go to **Control Panel** - **Administrative Tools**. Next, run **Windows Firewall with Advanced Security**.

2.

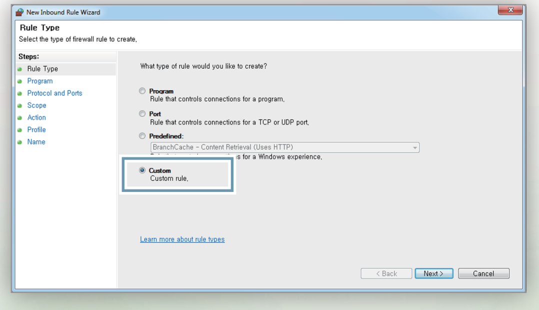

Windows Firewall with Advanced Security
File
Action
View
Help
Inbound Rules
Connection Security Rules
Monitoring
Actions
New Rule...
Filter by State
Filter by Group
View
Refresh
Export List...
Help
Contains commands for customizing this window.

Inbound Rules

Name	Group	Profile
Adobe Version Cue CS3 Server		Private
Adobe Version Cue CS3 Server		Private
Adobe Version Cue CS3 Server		Private
Adobe Version Cue CS3 Server		Private
Adobe Version Cue CS3 Server		Private
Adobe Version Cue CS3 Server		Private
ClassRoom Management application		Private
ClassRoom Management application		Private
Magicinfo_CMP		All
Microsoft Office Outlook		Public
MUZ AOD APP player		Private
MUZ AOD APP player		Private
NaverAdminAPISvc.exe		Public
NaverAdminAPISvc.exe		Public
NaverAdminAPISvc.exe		Private
NaverAdminAPISvc.exe		Private
Samsung Interactive Home Application		Private
Samsung Interactive Home Application		Private
Windows		Private
Windows (WSD-In)		Private
Windows 3		Private
Magicinfo		Private
BranchCache Content Retrieval (HTTP-In)	BranchCache - Content Retr...	All
BranchCache Hosted Cache Server (HTT...	BranchCache - Hosted Cach...	All
BranchCache Peer Discovery (WSD-In)	BranchCache - Peer Discove...	All
Connect to a Network Projector (TCP-In)	Connect to a Network Proje...	Domain
Connect to a Network Projector (TCP-In)	Connect to a Network Proje...	Private...
Connect to a Network Projector (WSD Ev...	Connect to a Network Proje...	Domain
Connect to a Network Projector (WSD Ev...	Connect to a Network Proje...	Private...
Connect to a Network Projector (WSD Ev...	Connect to a Network Proje...	Private...
Connect to a Network Projector (WSD Ev...	Connect to a Network Proje...	Domain
Connect to a Network Projector (WSD-In)	Connect to a Network Proje...	All

Click **Inbound Rules**, and select **New Rule**.

3.


New Inbound Rule Wizard
Steps:
Rule Type
Program
Protocol and Ports
Scope
Action
Profile
Name
Learn more about rule types
< Back
Next >
Cancel

Rule Type

Select the type of firewall rule to create.

What type of rule would you like to create?

○ **Program**
Rule that controls connections for a program.

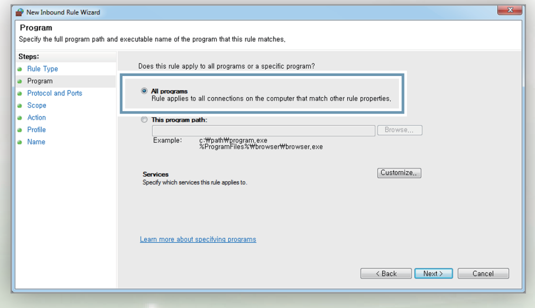
○ **Port**
Rule that controls connections for a TCP or UDP port.

○ **Predefined:**
BranchCache - Content Retrieval (Uses HTTP)
s for a Windows experience.

● **Custom**
Custom rule.

Select **Custom**, and click **Next**.

4.


New Inbound Rule Wizard
Steps:
Rule Type
Program
Protocol and Ports
Scope
Action
Profile
Name
Browse...
Customize..
Learn more about specifying programs
< Back
Next >
Cancel

Program

Specify the full program path and executable name of the program that this rule matches.

Does this rule apply to all programs or a specific program?

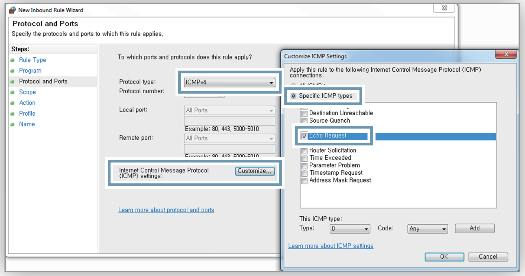
● **All programs**
Rule applies to all connections on the computer that match other rule properties.

○ **This program path:**

Example: c:₩path₩program.exe
%ProgramFiles%₩browser₩browser.exe

Services
Specify which services this rule applies to.

Select **All Programs**, and click **Next**.



New Inbound Rule Wizard

Protocol and Ports

Specify the protocols and ports to which this rule applies.

Steps:

- Rule Type
- Program
- Protocol and Ports
- Scope
- Action
- Profile
- Name

To which ports and protocols does this rule apply?

Protocol type: ICMPv4

Protocol number:

Local port: All Ports

Example: 80, 443, 5000-5010

Remote port: All Ports

Example: 80, 443, 5000-5010

Internet Control Message Protocol (ICMP) settings:

Customize ICMP Settings

Apply this rule to the following Internet Control Message Protocol (ICMP) connections:

● Specific ICMP types

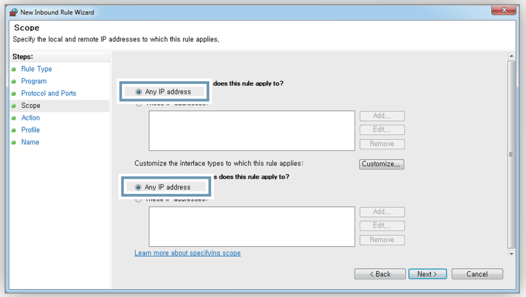
☐ Destination Unreachable
☐ Source Quench
☑ Echo Request
☐ Router Solicitation
☐ Time Exceeded
☐ Parameter Problem
☐ Timestamp Request
☐ Address Mask Request

This ICMP type:

Type: 0 Code: Any

Customize...
Learn more about protocol and ports
Add
Learn more about ICMP settings
OK
Cancel

5. Select **ICMPv4** for **Protocol type**. Click **Customize**, and select **Echo Request** under **Specific ICMP types**. Next, click **OK**. Click **Next**.



New Inbound Rule Wizard

Scope

Specify the local and remote IP addresses to which this rule applies.

Steps:

- Rule Type
- Program
- Protocol and Ports
- Scope
- Action
- Profile
- Name

does this rule apply to?

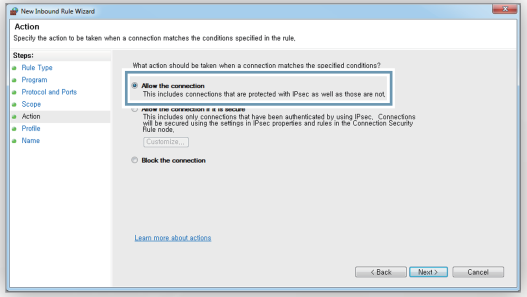
● Any IP address

Customize the interface types to which this rule applies:

s does this rule apply to?

● Any IP address

6. Select **Any IP address**, and click **Next**.



New Inbound Rule Wizard

Action

Specify the action to be taken when a connection matches the conditions specified in the rule.

Steps:

- Rule Type
- Program
- Protocol and Ports
- Scope
- Action
- Profile
- Name

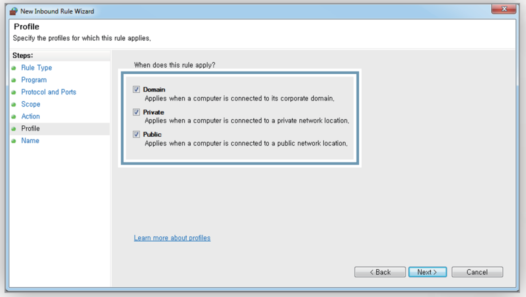
What action should be taken when a connection matches the specified conditions?

● **Allow the connection**
This includes connections that are protected with IPsec as well as those are not.

○ **Allow the connection if it is secure**
This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.

○ **Block the connection**

7. Select **Allow the connection**, and click **Next**.



New Inbound Rule Wizard

Profile

Specify the profiles for which this rule applies.

Steps:

- Rule Type
- Program
- Protocol and Ports
- Scope
- Action
- Profile
- Name

When does this rule apply?

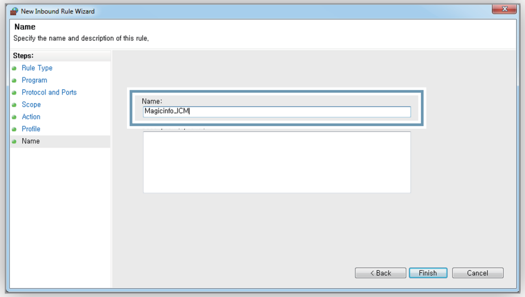
☑ **Domain**
Applies when a computer is connected to its corporate domain.

☑ **Private**
Applies when a computer is connected to a private network location.

☑ **Public**
Applies when a computer is connected to a public network location.

8. Select **Domain**, **Private** and **Public** all, and then click **Next**.

9.

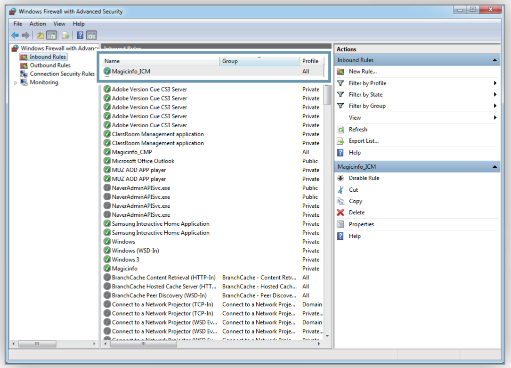

New Inbound Rule Wizard
Steps:
Rule Type
Program
Protocol and Ports
Scope
Action
Profile
Name
< Back
Finish
Cancel

Name
Specify the name and description of this rule.

Name: Magicinfo_ICM

Fill in the **Name** field, and click **Finish**.

10.


Windows Firewall with Advanced Security
File
Action
View
Help
Windows Firewall with Advanc
Inbound Rules
Outbound Rules
Connection Security Rules
Monitoring
Actions
Inbound Rules
New Rule...
Filter by Profile
Filter by State
Filter by Group
View
Refresh
Export List...
Help
Magicinfo_ICM
Disable Rule
Cut
Copy
Delete
Properties
Help

Name	Group	Profile
Magicinfo_ICM		All
Adobe Version Cue CS3 Server		Private
Adobe Version Cue CS3 Server		Private
Adobe Version Cue CS3 Server		Private
Adobe Version Cue CS3 Server		Private
Adobe Version Cue CS3 Server		Private
ClassRoom Management application		Private
ClassRoom Management application		Private
Magicinfo_CMP		All
Microsoft Office Outlook		Public
MUZ AOD APP player		Private
MUZ AOD APP player		Private
NaverAdminAPISvc.exe		Public
NaverAdminAPISvc.exe		Public
NaverAdminAPISvc.exe		Private
NaverAdminAPISvc.exe		Private
Samsung Interactive Home Application		Private
Samsung Interactive Home Application		Private
Windows		Private
Windows (WSD-In)		Private
Windows 3		Private
Magicinfo		Private
BranchCache Content Retrieval (HTTP-In)	BranchCache - Content Retr...	All
BranchCache Hosted Cache Server (HTT...	BranchCache - Hosted Cach...	All
BranchCache Peer Discovery (WSD-In)	BranchCache - Peer Discove...	All
Connect to a Network Projector (TCP-In)	Connect to a Network Proje...	Domain
Connect to a Network Projector (TCP-In)	Connect to a Network Proje...	Private...
Connect to a Network Projector (WSD Ev...	Connect to a Network Proje...	Domain
Connect to a Network Projector (WSD Ev...	Connect to a Network Proje...	Private...

New rules have been created as shown in the picture.

Note

- ✓ If a connection is not established even after the **ICMP** setting is made, the anti-virus or security program on the user's PC may be blocking **ICMP**. If this is the case, unblock the **ICMP** in the anti-virus or security program.
- ✓ If it is difficult to unblock the **ICMP** in the anti-virus or security program, completely close or disable the anti-virus or security program.

02

Using the Interactive Whiteboard (MagicIWB)

2-1

About the Interactive Whiteboard

The Interactive Whiteboard is a solution that allows you to draw freely. You can use various content through a large touch screen using your hand or different tools. Using a variety of applications needed for classes, you can easily prepare lesson materials.

Main Functions

- ◎ You can draw on the interactive whiteboard with your hand or using a tool. The Interactive Whiteboard allows freehand drawing using line colors or thicknesses of your choice by recognizing the touch of various tools.
- ◎ The Interactive Whiteboard provides various modes. You can view multiples pages at the same time and use other applications while the Interactive Whiteboard is running. You can also draw on the screen of an application you are using.
- ◎ You can easily draw images and shapes (using drag&drop), free-form curves, and so on, on the interactive whiteboard.
- ◎ You are free to resize, rotate, move, duplicate and delete image, shape and drawing elements displayed on the Interactive Whiteboard.
- ◎ You are free to display or move Flash and audio content on any part of the Interactive Whiteboard screen. Flash content can be resized.
- ◎ The Interactive Whiteboard supports multiple pages, each of which can be previewed using the page-viewer feature and accessed with a single tap.

◎ Draw directly on the screen of image or Flash content playing on the Interactive Whiteboard.

◎ Create and utilize lesson materials required for a class as a video file.

◎ Lead an interactive lesson over a network with the Interactive Whiteboard (MagicIWB), the device used by the teacher (MagicIMS), and the devices used by students (MagicIMS Agent).

Note

✓ In this manual, the term "Drawing" refers to the act of drawing pictures or writing text on the Interactive Whiteboard.

✓ Drag & drop is a commonly-used computer term which refers to dragging and dropping an icon or content item on the screen.

2-2

Installing

Check the following before you install the Interactive Whiteboard.

Requirements to install the Interactive Whiteboard

The following requirements need to be satisfied to install the Interactive Whiteboard program.

Components	Requirements
CPU	2.5GHz Intel Core 2 Duo or higher
Memory	2GB or greater
Graphics card	AMD Radeon HD 6000 or higher
Display screen resolution	1280 x 1024 or higher (recommended monitor resolution: 1920 x 1080)
Operating system	Windows 7, Windows 8

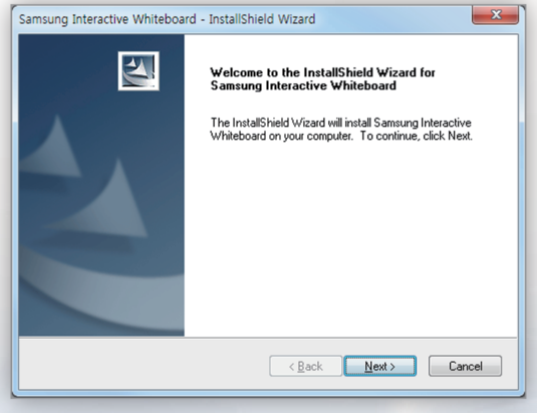
Components	Requirements
Others	**Microsoft Office (PowerPoint)** • You need this component to display Office (PowerPoint) files on the Interactive Whiteboard. **Adobe Acrobat Reader 9** • Download the file from http://www.adobe.com and install. • You need this component to display PDF files on the Interactive Whiteboard. **Audio/video codec** • Download ASF, WMV, Divx, MPEG2, MPEG4, H.264, MOV, FLV, MP3, OGG, etc. via the Internet to your preferences and install. • You need these components to play video files on the Interactive Whiteboard. **USB(Web) Camera and Driver** • Purchase and install a USB camera (using a camera is optional). • Install the appropriate driver for your USB camera. • You need these components to display images from the camera onto the Interactive Whiteboard. **Ensure the MS Windows system version supports the same language you will be using. Otherwise, a problem may occur.** **Internet Explorer 6.0 or higher must be installed to use the Internet function.** **Aero mode** • If **Aero** mode in **Windows** is not used, the drawing speed may decrease. If Aero mode is not being used, a warning window appears. • When using general options by selecting **Control Panel** - **Pen and Touch** - **Flick Gestures** tab - **Flick Gestures**, the drawing speed may decrease depending on the touch device.

Installing the Interactive Whiteboard

Note

- ✓ It is recommended that you do not install the Interactive Whiteboard and MagicIMS on the same PC.
- ✓ Samsung Electronics shall not be liable for any problem caused by the user's installation or use of software that is not displayed in the Interactive Whiteboard software screen when running the Interactive Whiteboard software for the first time.

1.



Samsung Interactive Whiteboard - InstallShield Wizard

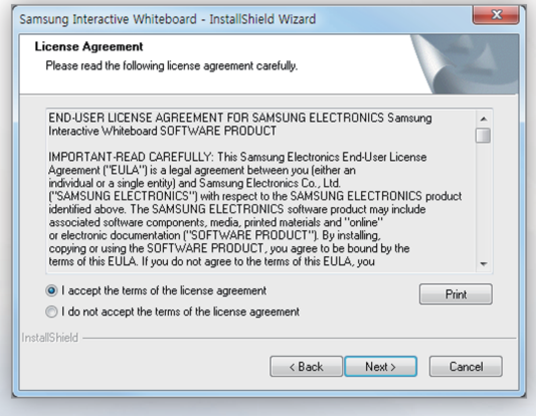
Welcome to the InstallShield Wizard for Samsung Interactive Whiteboard

The InstallShield Wizard will install Samsung Interactive Whiteboard on your computer. To continue, click Next.

Run the install file to initiate the program installation process.

Click **Next**.

2.



Samsung Interactive Whiteboard - InstallShield Wizard

License Agreement

Please read the following license agreement carefully.

END-USER LICENSE AGREEMENT FOR SAMSUNG ELECTRONICS Samsung Interactive Whiteboard SOFTWARE PRODUCT

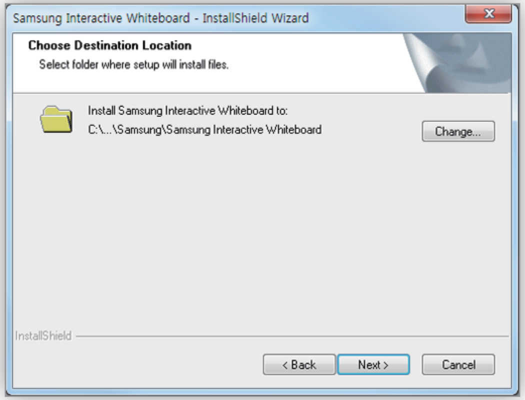
IMPORTANT-READ CAREFULLY: This Samsung Electronics End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. ("SAMSUNG ELECTRONICS") with respect to the SAMSUNG ELECTRONICS product identified above. The SAMSUNG ELECTRONICS software product may include associated software components, media, printed materials and "online" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying or using the SOFTWARE PRODUCT, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this EULA, you

● I accept the terms of the license agreement

○ I do not accept the terms of the license agreement

Accept the license agreement and click **Next**.

3.


Samsung Interactive Whiteboard - InstallShield Wizard
Change...
InstallShield
< Back
Next >
Cancel

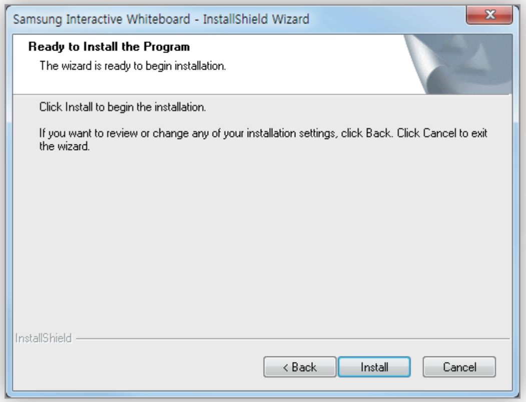
Choose Destination Location

Select folder where setup will install files.

Install Samsung Interactive Whiteboard to:
C:\...\Samsung\Samsung Interactive Whiteboard

Select a folder in which to install the software and click **Next**.

4.


Samsung Interactive Whiteboard - InstallShield Wizard
InstallShield
< Back
Install
Cancel

Ready to Install the Program

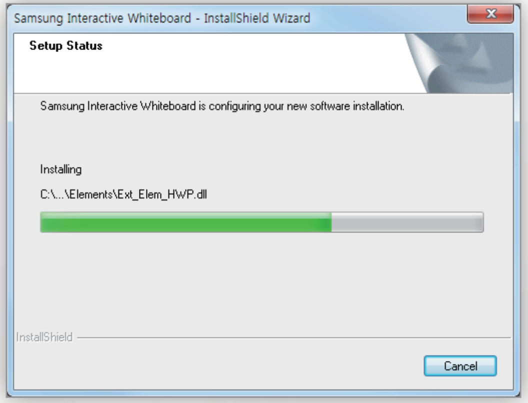
The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

Click **Install** to start installation.

5.


Samsung Interactive Whiteboard - InstallShield Wizard
InstallShield
Cancel

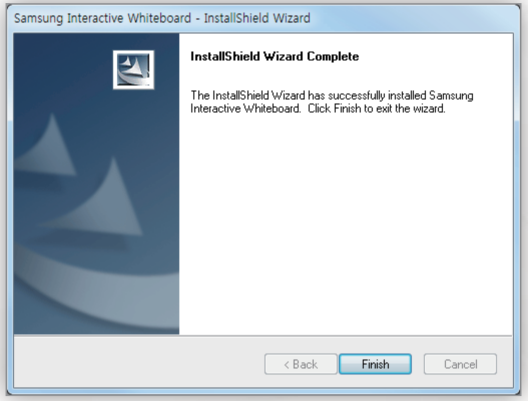
Setup Status

Samsung Interactive Whiteboard is configuring your new software installation.

Installing
C:\...\Elements\Ext_Elem_HWP.dll

The installation will proceed.

6.


Samsung Interactive Whiteboard - InstallShield Wizard
< Back
Finish
Cancel

InstallShield Wizard Complete

The InstallShield Wizard has successfully installed Samsung Interactive Whiteboard. Click Finish to exit the wizard.

When you click **Finish**, the installation will be completed.

2-3

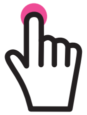
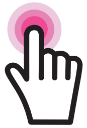
Touch Function

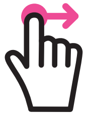
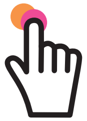
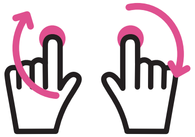
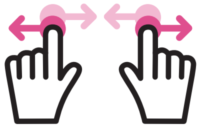
The Interactive Whiteboard is touch-controlled.
Learn how to use the touch function to fully utilize the Interactive Whiteboard features.
If the touch function is not available for use, a mouse can be used to control the Interactive Whiteboard.

Note

✓ The touch function may not function properly when the PIP (Picture-In-Picture) function is enabled on the monitor.

Using the touch function

Gesture		Touch point	Description
	Single touch	**General**	Selecting a function/ menu: Touch the intended button or menu.
		Content	Selecting an content : Tap the object.
	Touch and hold	**General**	Call up context menus: Touch a blank area of the screen and hold.
		Content	Call up context menus: Touch and hold on a content item.

Gesture		Touch point	Description
	Touch and drag	**General**	Not applicable.
		Content	Move a content item : Touch and drag the content item.
	Double touch	**General**	Perform the double-click function to run an application.
		Content	Not applicable.
	Multi-touch 1 (Rotate)	**General**	Not applicable.
		Content	Rotate the content.
	Multi-touch 2 (Resize/ Zoom in or out)	**General**	Not applicable.
		Content	Resize content, or zoom in or out on part of content.

Note

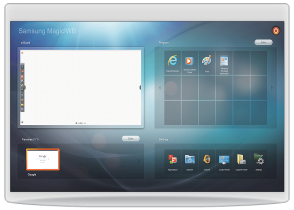
- ✓ To "Click" on a mouse button in this manual is the same as to "Touch" in touch screen mode.
- ✓ Right-clicking on a mouse performs the same function as "Touch and Hold" in touch screen mode.

2-4

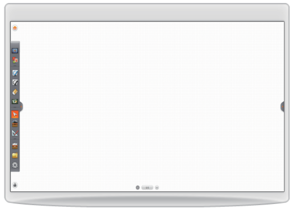
Interactive Whiteboard Modes

Interactive Whiteboard consists of the home screen, whiteboard mode, and application mode.
You can select and use a mode as required.

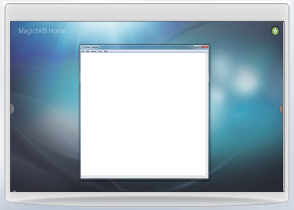
[Interactive Whiteboard home screen]



[Whiteboard]

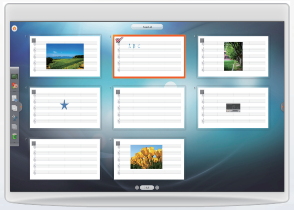


[Application]



[Drawing mode]

[Page Viewer mode]



Home Screen

Home screen is the startup screen of the Interactive Whiteboard. You can configure various settings required for classes using the Interactive Whiteboard.

Whiteboard

You can lead a class by utilizing the drawing function or content. Whiteboard mode is divided into drawing mode and page viewer mode. Page viewer mode allows you to view all the pages currently open on the Interactive Whiteboard.

Application

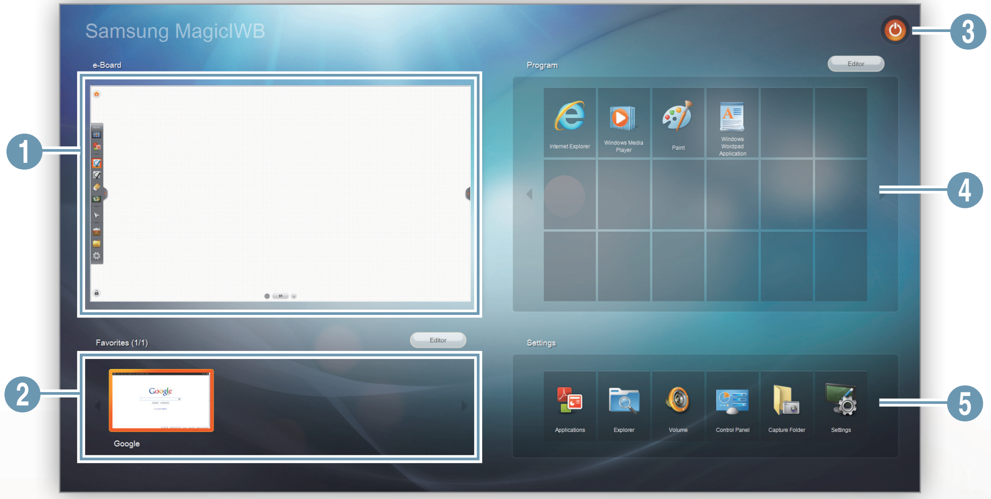
The Interactive Whiteboard allows you to run and utilize another application during a class. You can draw on the screen when another application is running. You can also move to another application.

2-5

Home Screen

The home screen appears by default when the Interactive Whiteboard program starts.
You can configure various settings required for a class.

The following is the home screen layout.

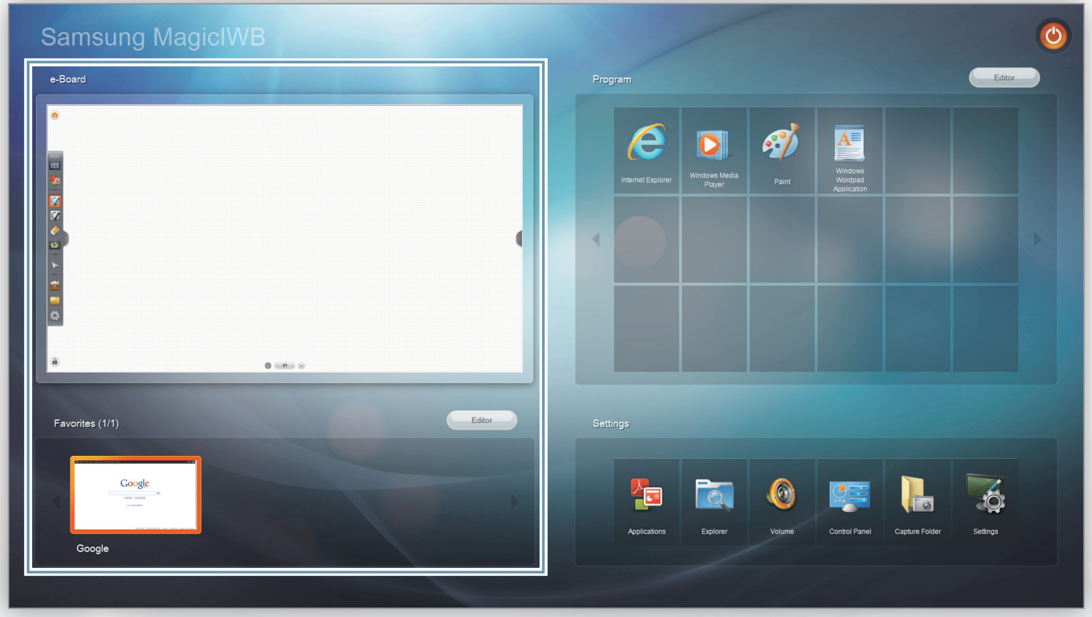

Samsung MagicIWB
e-Board
Program
Editor
Internet Explorer
Windows Media Player
Paint
Windows Wordpad Application
Favorites (1/1)
Editor
Google
Settings
Applications
Explorer
Volume
Control Panel
Capture Folder
Settings
①
②
③
④
⑤

Num	Name	Description
①	**WhiteBoard Preview**	Display the current whiteboard screen as a preview.
②	**Favorites**	Save and conveniently access frequently visited websites.
③	**Exit**	• **Shut down**: Shut down the system. • **Exit MagicIWB**: Exit the MagicIWB program.
④	**Program Shortcuts**	Run an application or manage application tasks.
⑤	**Basic Settings**	Configure various settings to use the Interactive Whiteboard more effectively.

WhiteBoard Preview and Favorites

Preview the most recently displayed whiteboard screen or websites added to favorites.

Select the desired whiteboard or website from the preview section. The corresponding application or website will open. Add or delete a website you want to display as a thumbnail in the Favorites section using the corresponding settings menu. Customize the image of the website you want to display as a preview thumbnail.

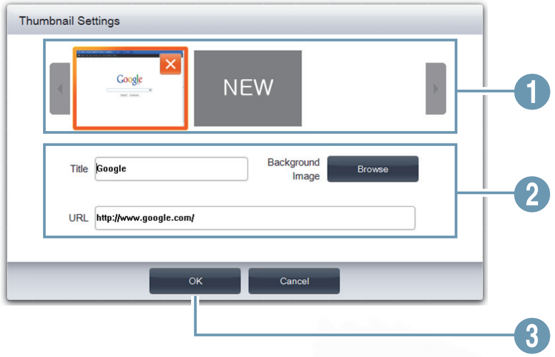

Samsung MagicIWB
e-Board
Program
Editor
Internet Explorer
Windows Media Player
Paint
Windows Wordpad Application
Favorites (1/1)
Editor
Google
Settings
Applications
Explorer
Volume
Control Panel
Capture Folder
Settings

Note

- ✓ If switching from the home screen to the whiteboard screen for the first time after installing the Interactive Whiteboard program, opening the whiteboard may take a while.
- ✓ If switching from the whiteboard screen to the home screen, the current drawings on the whiteboard will be displayed as a preview.
- ✓ Refer to the section “Adding to Favorites” in this manual for further details on adding a website to favorites.
- ✓ If you do not specify the preview image of a website, the initial screen of the website will be displayed.
- ✓ If you do not specify the preview image of a website, displaying the initial screen of the website can take a while after starting the website. This can depend on the system specifications of the device on which the Interactive Whiteboard is installed.
- ✓ Some websites may display only part of the page due to a problem with loading the initial page.

Adding to Favorites

Click **Editor** at the top right of the **Favorites** section in the home screen. The window as shown below will appear.
By adding frequently used websites to the list of preview thumbnails, you can conveniently preview and open a website from the home screen.



Title Google

URL http://www.google.com/

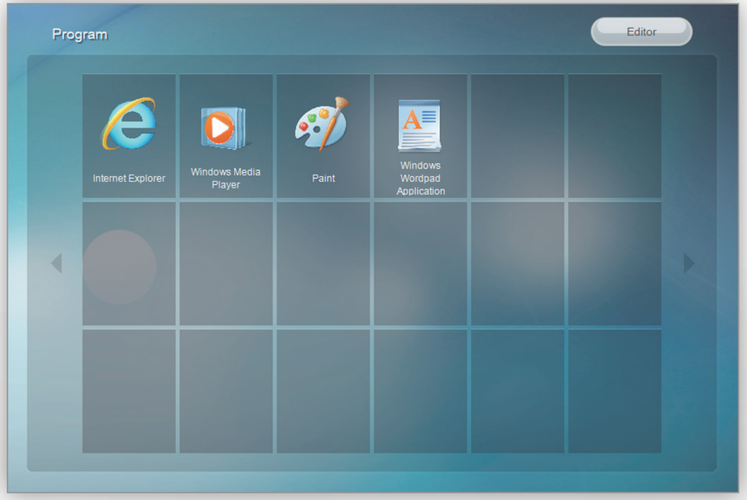
Num	Description
①	View the websites included in the thumbnail preview list. To add a new website, select **NEW**. To delete a website from the thumbnail preview list, click < ✕ >.
②	Display the title and URL address of the selected website. The < Browse > button can be used to specify the preview image for the selected website. The settings in this section will appear blank when a new website is added by selecting **NEW**. Specify the title, background image, and URL address of the website that will be added. Note When adding a new website, the title can be up to 100 characters long. The URL can be up to 250 characters long.
③	After configuring the settings, click **OK**. The changes will be displayed on the thumbnail preview page of the home screen.

Program Shortcuts

Save and run frequently used applications, or manage application tasks.
A maximum of 29 applications can be added to the list of program shortcuts.
You can also move applications by dragging and dropping them.

Running a program

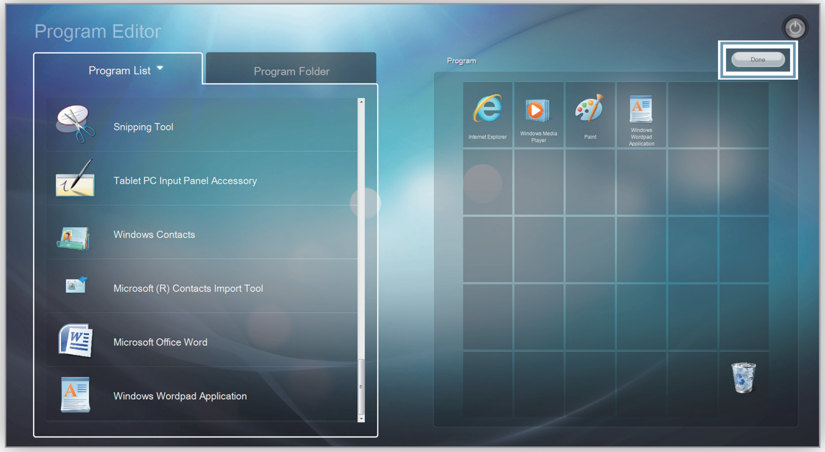
To start an application program, select the desired program from the program shortcuts screen.


Program
Editor
Internet Explorer
Windows Media Player
Paint
Windows Wordpad Application

Adding a Program Shortcut

Configure the settings for the program shortcuts screen. You can add, delete or move applications in the program shortcuts screen.

Configuring settings in Program List


Program Editor
Program List
Program Folder
Snipping Tool
Tablet PC Input Panel Accessory
Windows Contacts
Microsoft (R) Contacts Import Tool
Microsoft Office Word
Windows Wordpad Application
Program
Done
Internet Explorer
Windows Media Player
Paint
Windows Wordpad Application

Click **Editor** at the top right of the **Program** section in the home screen. The window as shown on the left will appear.

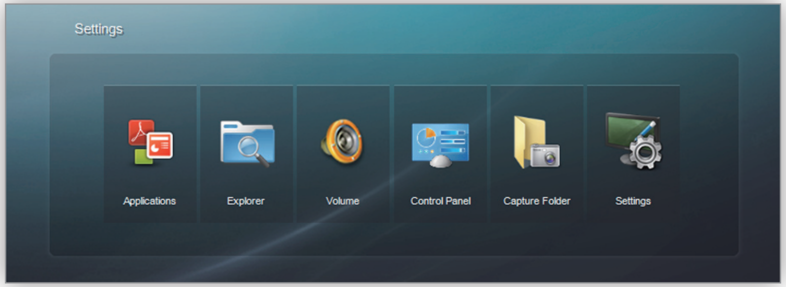
Applications that are installed on the current system will appear in the **Program List** screen. To add an application to the list of program shortcuts, drag and drop the application from the **Program List** screen on the left to the spot you want in the **Program** screen on the right. If you drag and drop the application on an empty space, the application will be added to very last of the list. To uninstall an application, drag and drop the application to the **Recycle bin** <🗑> at the bottom left of the screen. To return to the home screen after adding/deleting a program shortcut, click **Done** at the top right.

Configuring settings in Program Folder

You can select and add an application in the **Program Folder** screen. Refer to "Configuring settings in Program List" for further details on how to add or delete an application. In the **Program Folder** screen, the <⬅, ➡, or ⬆> button at the top left can be used to move to the previous, next or parent folder respectively.

Basic Settings

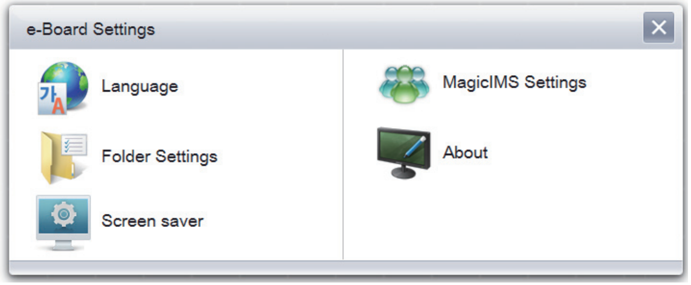
You can customize various settings as required to use the Interactive Whiteboard more effectively. Select an item. A screen will appear where you can configure the corresponding settings.



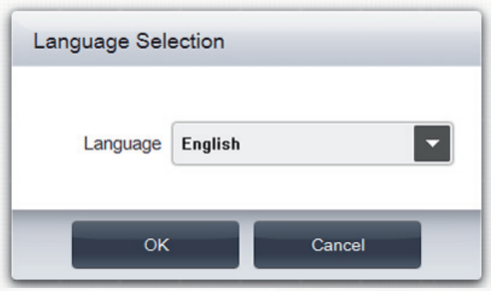
Name	Description
Applications	Display the shortcut thumbnail for the application currently running. Note A maximum of 90 application shortcut thumbnails are provided.
Explorer	Run Windows Explorer.
Volume	Display the volume mixer window where you can control the volume.
Control Panel	Open Windows Control Panel.
Capture Folder	Open the folder that contains files of images captured using the Interactive Whiteboard.
Settings	Configure the screen and language settings for the Interactive Whiteboard.

Settings

Configure the settings (language, folders, version information, etc.) to use the Interactive Whiteboard.


e-Board Settings
Language
Folder Settings
Screen saver
MagicIMS Settings
About

Language


Language Selection
OK
Cancel

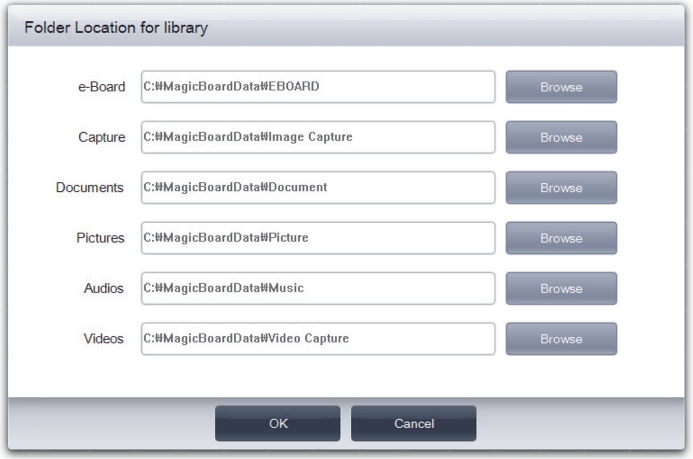
Language English

You can select the language you want to use on the Interactive Whiteboard.

To change the language, select <▼> to display a list of languages. Select a language from the list, and click **OK**.

Folder Settings

Specify the folders you want to use in the **Contents Libraries**. By specifying the **Contents Libraries** folders, you can utilize various content items loaded from these folders under whiteboard mode. You can also save work done in whiteboard mode to a specified folder. To move a library folder, click **Browse** next to the folder you want. Click **OK** at the bottom to apply the changes.



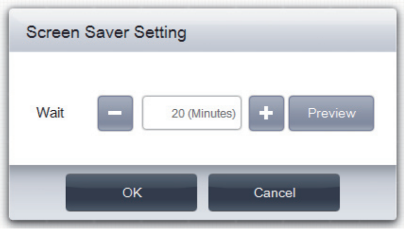
e-Board: C:₩MagicBoardData₩EBOARD
Capture: C:₩MagicBoardData₩Image Capture
Documents: C:₩MagicBoardData₩Document
Pictures: C:₩MagicBoardData₩Picture
Audios: C:₩MagicBoardData₩Music
Videos: C:₩MagicBoardData₩Video Capture

Note

- ✓ In whiteboard mode, content included in the specified folders will appear under the **Libraries** tab in the **Contents Libraries** window by category: **Shapes**/**Capture**/**Documents**/**Pictures**/**Audios**/**Videos**.
- ✓ Refer to "Using Contents Libraries" in this manual for further details on **Libraries**.

Name	Description
e-Board	Specify the folder where you want to save files of work done in the Interactive Whiteboard.
Capture	Specify the folder where you want to save files of things you captured in the Interactive Whiteboard. Files of images captured by the **Capture** function (which is found on the toolbar of the Interactive Whiteboard) will be saved to the folder. Note Refer to "Using the Function Menu" in this manual for further details on the **Capture** function.
Documents/Pictures/Audios	Specify the folders where you want to save document, image and audio files that will be used on the Interactive Whiteboard.
Videos	Specify the folder where you want to save video files that will be used on the Interactive Whiteboard. Video files recorded by the **USB Camera** or **Video Capture** function (which is found on the toolbar of the Interactive Whiteboard) will be saved to the folder. Note Refer to "USB Camera" and "Video Capture" in this manual for further details on the **USB Camera** and **Video Capture** functions.

Screen saver



Wait 20 (Minutes)

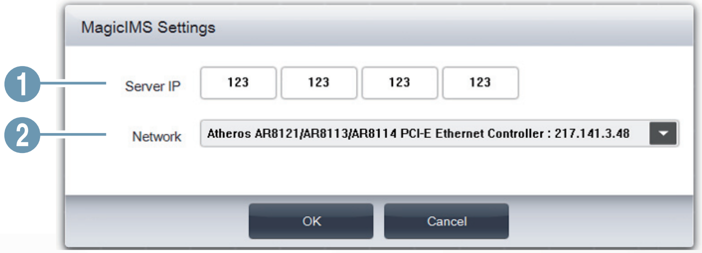
Configure the screen saver settings.

Using the <−> and <+> buttons, you can specify the standby time after which point the screen saver will be activated. (Range for the standby time: 1 - 20 minute(s))

To preview the screen saver you have specified, click <Preview>.

MagicIMS Settings

Configure the network settings to connect the Interactive Whiteboard to the MagicIMS program.



Server IP 123 123 123 123

Network Atheros AR8121/AR8113/AR8114 PCI-E Ethernet Controller : 217.141.3.48

Num	Description
①	**Server IP**: Enter the IP address of the PC where the MagicIMS is installed.
②	**Network**: Select the network card you want to use when the MagicIMS is connected if the device (where the Interactive Whiteboard is installed) contains more than one network card. Click **OK** at the bottom to apply the changes.

About

You can view the version and license information on your Interactive Whiteboard.

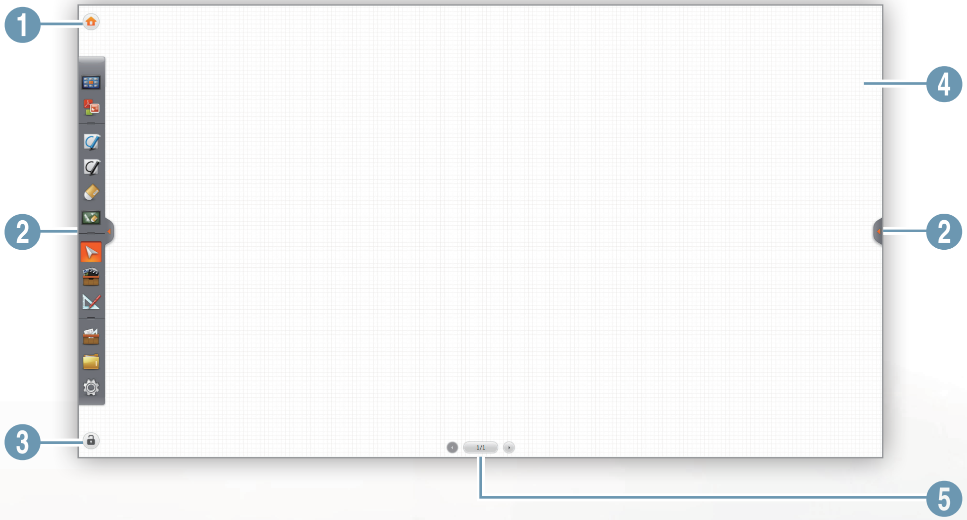
2-6

Whiteboard Mode

Select the whiteboard in the preview section from the home screen.

Whiteboard mode will activate. Whiteboard mode provides general whiteboard functions allowing you to draw freely.

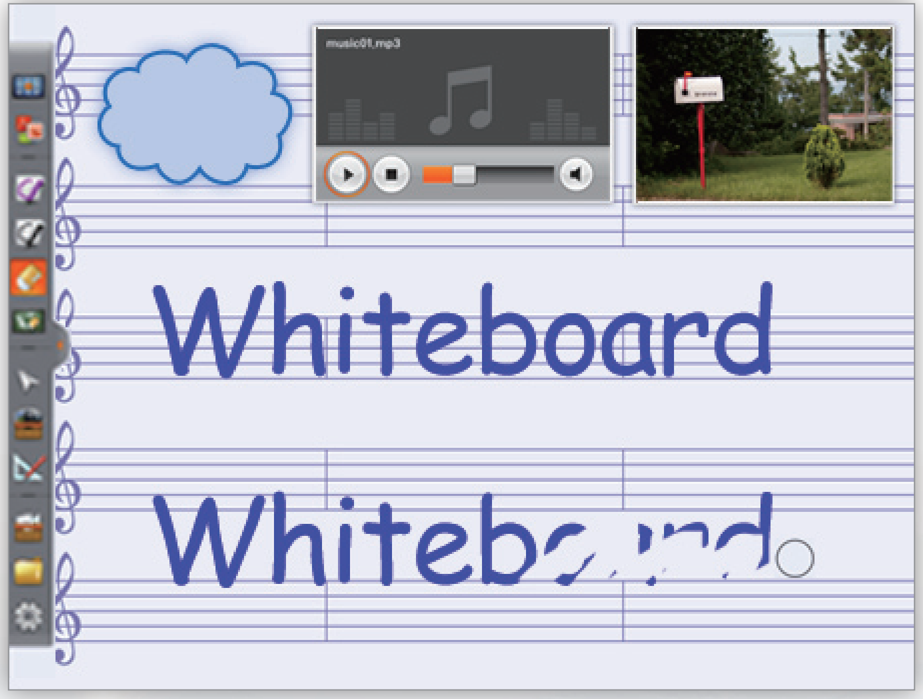
Following is the screen layout in whiteboard mode.



Num	Name	Description
①	**Home**	Move to the Interactive Whiteboard home screen.
②	**Main Toolbar**	Use all of the functions supported by the Interactive Whiteboard from the main toolbar. Note Switching from whiteboard mode to page view mode will change the main toolbar to the page viewer mode toolbar. Note Switching from whiteboard mode to application mode will change the main toolbar to the toolbar for application mode. Note Running PowerPoint in whiteboard mode will change the main toolbar to the toolbar for PowerPoint mode. Note The main toolbar can be moved sideways.
③	**Screen Lock**	Lock or unlock the use of touch input to the Interactive Whiteboard screen.
④	**Main Drawing Screen**	This main whiteboard screen allows you to produce content or draw using various tools or by hand.
⑤	**Page toolbar**	View the page information (the current page/all pages), and go to the previous < ◂ > next < ▸ >page.

Main Drawing Screen

The main drawing screen where you can draw offers the following functions.



Drawing

A variety of drawing tools as well as the mouse can be used to draw on the Interactive Whiteboard screen. You can draw by selecting the pen type you want from the main toolbar.

Selection

Touch and hold (long enough to activate the mode) on a content item (an image, etc.) or select the selection < ↖ > icon (which is one of the editing functions on the main toolbar). Selection mode will activate. In selection mode, click a content item. The context menus for the content item will appear. The content item can be modified (resized, rotated, etc.) using the context menus.

Note Refer to "Modifying content" in this manual for further details on using content.

Eraser

A circular eraser will be displayed. The eraser can be used to remove drawings on the screen.

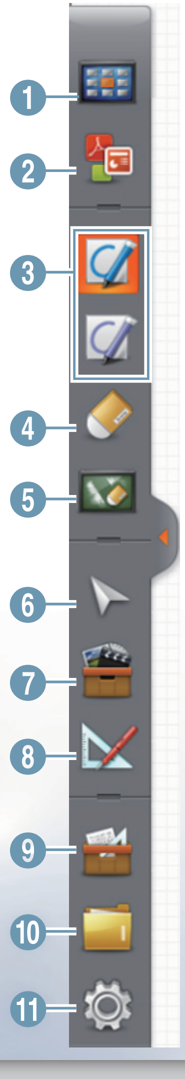
Note Only drawings can be deleted.

Add content

You can add various content (image, music, Flash content, etc.) using the Contents Libraries.

Main Toolbar

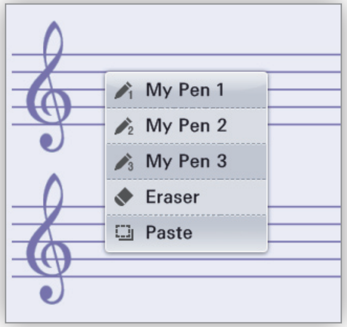
The main toolbar offers drawing functions (specifying the pen color or type, etc.) and general functions (saving a file, content modification, system settings, etc.).



Num	Name	Description
①	**Page viewer**	View at a glance all the pages that are currently open.
②	**Applications**	You can view a list of other applications currently running. You can also move to another application and draw on the application screen.
③	**My Pen 1 - 2**	Save your own frequently used pen styles.
④	**Eraser**	Activate the eraser mode. Remove drawings by dragging the circular eraser displayed when the eraser mode is activated.
⑤	**Clear the screen**	Delete everything you drew and reset the screen.
⑥	**Select**	Select and modify drawings or content.
⑦	**Contents Libraries**	Start the Contents Libraries where you can add content to a document.
⑧	**Edit**	Delete or copy/cut and paste content.

Num	Name	Description
⑨	**Function**	Use features such as My Pen 3, Undo, Redo, Magnifier, SpotLight, and USB Camera.
⑩	**File**	Use features such as New File, Open, Save, Save As, Publishing, Print, Capture, Video Capture, and Event Rec.
⑪	**Settings**	Configure the settings to use the whiteboard: Background, Gesture, and Customize.

Touch and hold (long enough for the menus to appear) on the main drawing screen. Some of the main toolbar menus will appear as follows.



Name	Description
My Pen 1 - 3	Select one of the pen styles you have customized.
Eraser	Activate the eraser mode to erase drawings.
Paste	Paste content you have copied or cut.

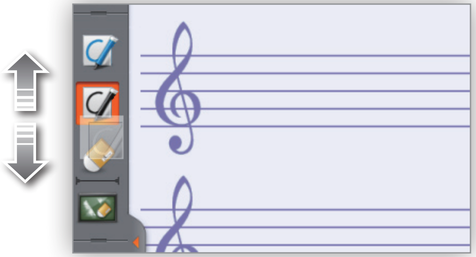
Main toolbar modification

Select the **Customize**< > icon from **Settings**< > on the main toolbar. Alternatively, touch and hold the main toolbar. The icons on the main toolbar will shake and the mode allowing the toolbar to be modified will activate. To exit the mode where you can modify the toolbar, tap the drawing section. Alternatively, touch and hold the toolbar.

Note

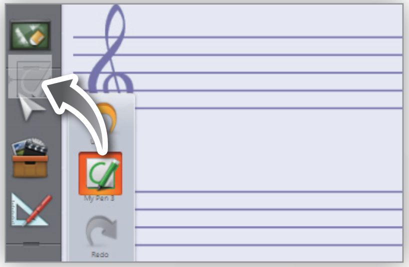
- ✓ The touch-and-hold action performs the same function as right-clicking a mouse.

Move



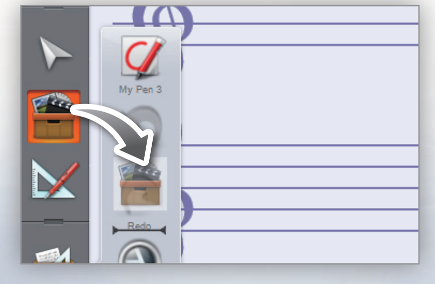
Move icons as required by dragging and dropping them.

Add



You can add submenus of each icon to the main toolbar by dragging and dropping them.

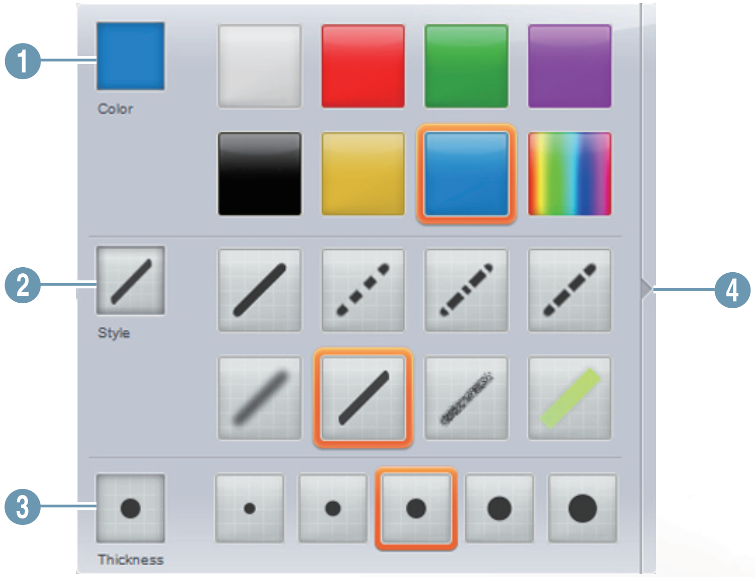
Delete



Delete a menu item from the main toolbar by dragging and dropping the item to the submenu list.

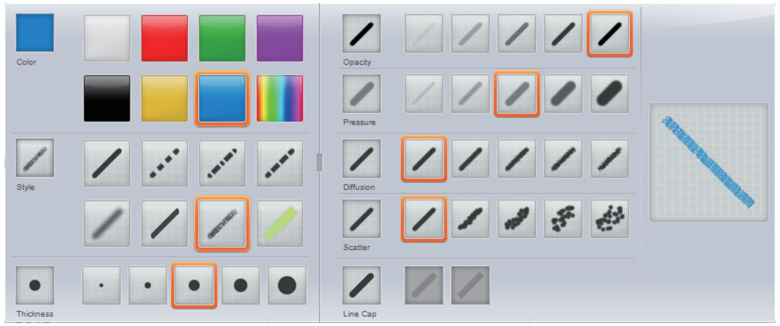
Customizing the Pen Style

If you select the same pen that is selected on the main toolbar, the following screen will appear where you can customize the pen style.



Num	Description
①	Select a pen color.
②	Select a pen type. Note The icon farthest to the right represents the highlighter.
③	Select a pen thickness.
④	Clicking the unfold button <▶> will maximize the custom settings window.

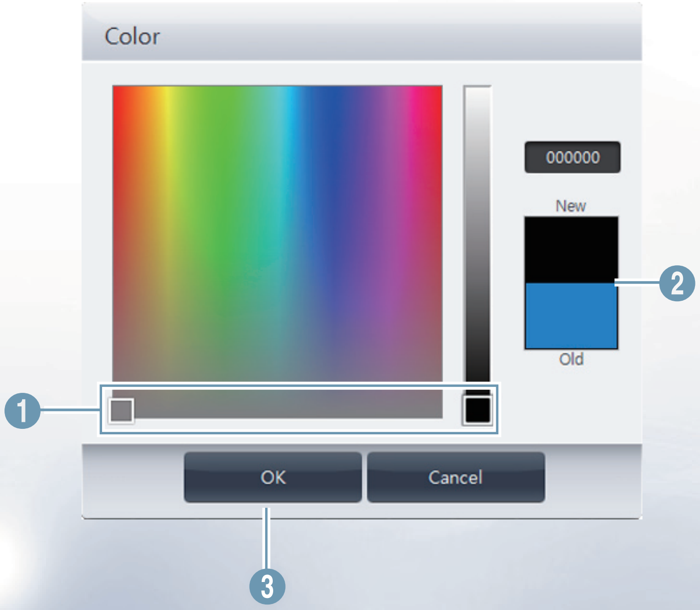
Click the unfold button <▷> and customize the pen style in greater detail.


Color
Style
Thickness
Opacity
Pressure
Diffusion
Scatter
Line Cap

Note

✓ Available options may vary depending on the pen style.

<▦> allows you to select various colors other than the seven basic colors shown above.


Color
000000
New
Old
OK
Cancel
①
②
③

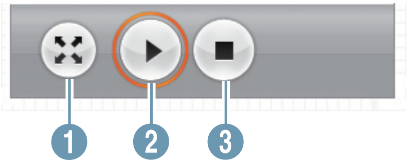
Num	Description
①	Customize the color using the two color-control sliders.
②	View the current color and the new color selected.
③	Click **OK** to update the pen color to the selected color.

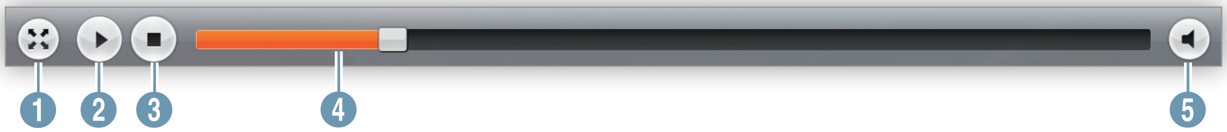
Using Contents Libraries

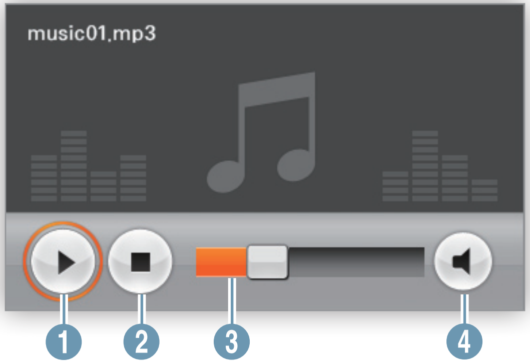
Select the **Contents Libraries** < 🎬 > icon on the main toolbar. The **Contents Libraries** window will appear. The **Contents Libraries** allows you to utilize various content as effective lesson material when drawing on the screen during a class.

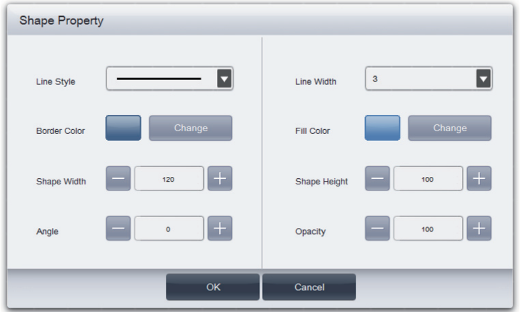
Content formats compatible with the Interactive Whiteboard

The Interactive Whiteboard supports the following content formats.

Name	Description
Images	You can use image files.
Flash	You can use Flash files. The control toolbar is provided to play Flash files, etc.  ① Maximize the screen or restore the original screen. ② Play or pause a Flash file. ③ Stop playing a Flash file. Note To move a Flash file, select any area other than the buttons on the control toolbar.
Office	You can use PowerPoint files. The control toolbar is provided to move between pages, etc. Note • To view PowerPoint files properly, the PowerPoint viewer must be installed. • Refer to "Toolbar for PowerPoint Files" in this manual for further details on the toolbar for PowerPoint files.

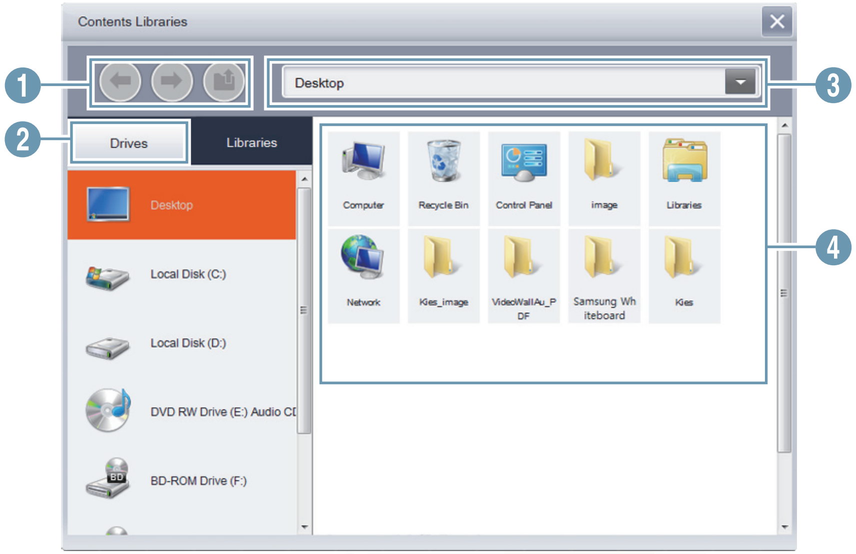
Name	Description
Videos	You can use video files. If you add a video file, the whiteboard mode screen will be replaced by the default home screen and the video will be displayed. The video will be displayed at the original aspect ratio (standard screen mode) and can be changed to full-screen mode. The control toolbar is provided to play video files, etc. Note • To play video content properly, the corresponding codec must be installed. • The control toolbar will automatically disappear if it is left idle for 5 seconds when a video is playing in full-screen. To display the toolbar again, tap any part of the screen.  ① Display a video in full-screen. Note When a video is playing in full-screen mode, the icon will be replaced by <⛶>. When selected, the video will be in standard screen mode. ② Play or pause a video file. ③ Stop playing a video. ④ Fast forward or move backward when a video is playing by adjusting the slider. ⑤ Adjust the volume of a video. To mute the sound, click <🔊> that appears when the volume icon is clicked. Tap any part of the screen during video playback. The <✕> icon will appear at the top right. This icon can be used to close the video playback screen. The <✕> icon will automatically disappear if the screen is not tapped for 5 seconds.

Name	Description
Audios	You can use audio files. Audio files are played on the predefined default screen only. The control toolbar will be provided to play audio files, etc.  1 Play or pause an audio file. 2 Stop playing an audio file. 3 Fast forward or move backward when an audio file is playing by adjusting the slider. 4 Adjust the volume of an audio file.

Name	Description
Shapes	Utilize various shapes provided by the **Contents Libraries**. You can resize or move a shape. You can also change the line style or color of a shape by using the **Property** menu. Select **Property** from the context menus that appear when a shape is selected on the screen. The following screen will appear.  Shape Property Border Color Change Fill Color Change OK Cancel Line Style Line Width 3 Shape Width 120 Shape Height 100 Angle 0 Opacity 100 • **Line Style**: Select a line style for the border of a shape. • **Line Width**: Select a line thickness for the border of a shape. • **Border Color**: Specify the line color for the border of a shape. To specify the color, click <Change> and select a color. • **Fill Color**: Specify the color you want to fill a shape with. To specify the color, click <Change> and select a color. • **Shape Width**: Specify the width of a shape. • **Shape Height**: Specify the height of a shape. • **Angle**: Specify the gradient of a shape. • **Opacity**: Specify the opacity of a shape. To apply the changes, select <OK>.
e-Board	You can save work done in the Interactive Whiteboard to a file. If you open another Interactive Whiteboard file when drawing, you will be prompted to confirm if you want to save the current drawing before opening the file.

Using content saved in a drive

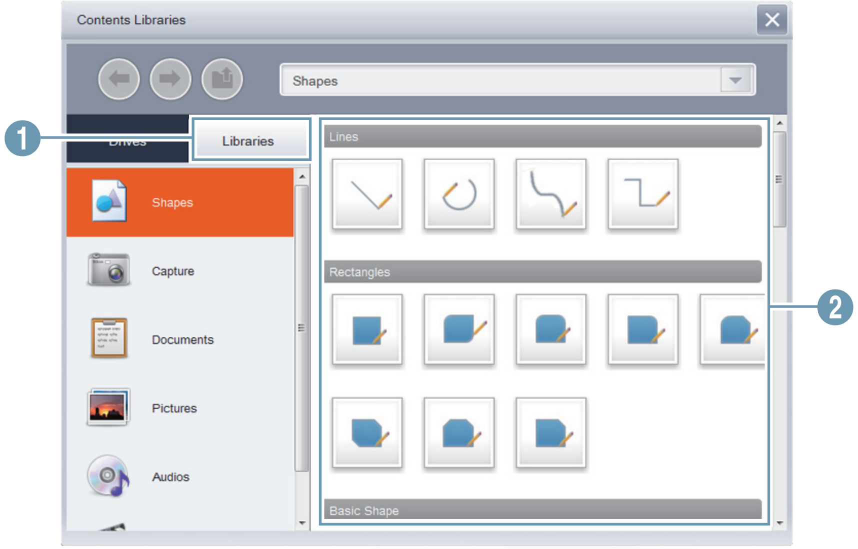
Select the **Drives** tab. You can import and use files saved in a drive on the system where the Interactive Whiteboard is installed.


Contents Libraries
①
②
③
④
Desktop
Drives
Libraries
Desktop
Local Disk (C:)
Local Disk (D:)
DVD RW Drive (E:) Audio CD
BD-ROM Drive (F:)
Computer
Recycle Bin
Control Panel
image
Libraries
Network
Kies_image
VideoWallAu_PDF
Samsung Whiteboard
Kies

Num	Description
①	Move to the previous, next or parent folder.
②	Select the **Drives** tab. Available drives will appear under the tab.
③	View the current directory name. Click < ▾ >. A list of directories that contain content will appear. Select a directory to open.
④	Select a drive. The folders and content saved in the drive will appear on the right. To open a folder, double-click the folder. To add content to the main drawing screen, double-click the content. Alternatively, drag it to the main drawing screen.

Using content saved in Libraries folders

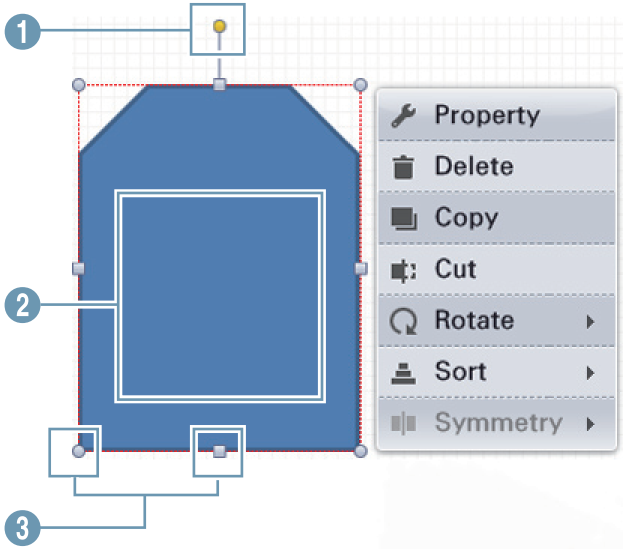
Select the **Libraries** tab. You can import and use content from a specified Libraries folder.


Contents Libraries
Shapes
Drives
Libraries
Lines
Rectangles
Basic Shape
Shapes
Capture
Documents
Pictures
Audios
1
2

Num	Description
1	Select the **Libraries** tab to display available Libraries names.
2	Select a **Libraries**. The content saved in the Libraries will appear on the right. • **Shapes**: Display various shapes. • **Capture**: Display images captured from the Interactive Whiteboard. • **Documents**: Display Office document files. • **Pictures**: Display image files. • **Audios**: Display audio files. • **Videos**: Display video files. To add content to the main drawing screen, double-click the content. Alternatively, drag it to the main drawing screen.

Modifying content

Select content that has been added to the screen. The following context menus will appear, which allow you to modify the content.



Num	Description
1	Rotate the content by dragging this point in the intended direction of rotation.
2	Move the content by clicking anywhere inside of it and then dragging.
3	Resize the content by dragging this point.

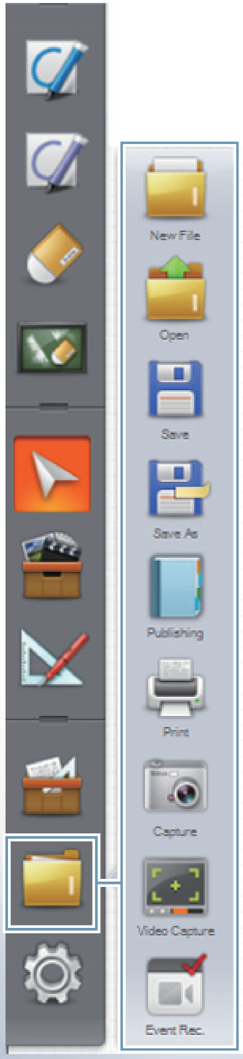
Note

- ✓ Content can be rotated or resized using the multi-touch 1 (rotate) or multi-touch 2 (resize) function respectively.
- ✓ Refer to "Using the touch function" in this manual for further details on how to use the multi-touch function.

Name	Description
Property	Modify the properties of the selected content. Note This menu is enabled only when a drawing or shape is selected.
Delete	Delete the selected content.
Copy	Copy the selected content to the clipboard. Note • Ensure you paste the copied content in order to view the content. • This menu is disabled when USB camera content is selected.
Cut	Delete the selected content from the screen and save it to the clipboard. Note Ensure you paste the cut content in order to view the content.
Rotate	Rotate the selected content. (**Left 90** or **Right 90**)
Sort	Sort the selected content. (**Bring to Front** or **Send to Back**) Note Drawings are always on top.
Symmetry	Vertically or horizontally flip the selected content. (**Horizontal** or **Vertical**) Note This menu is enabled only when image content is selected.

Using the File Menu

Select the **File** < > icon on the main toolbar. The following submenus will appear.



Name	Description
New File	Create a new document.
Open	Open another document using Explorer.
Save	Save the current document to your desired location using Explorer.
Save As	Rename and save the current document to your desired location using Explorer.
Publishing	Publish the current document to the desired location.
Print	• **Print**: Print the current document. • **Print Preview**: Preview the pages you want to print.
Capture	Capture and save the current screen to a specified folder.
Video Capture	Capture the current screen in video format.
Event Rec.	Record an event (content creation or drawing) that occurs on the whiteboard and then play the recorded event again.

File provides the following sub menu items.

Capture

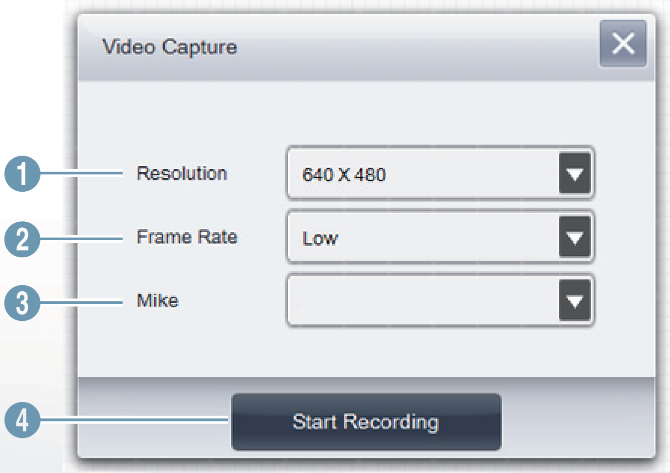
Click the **Capture** <📷> icon. The current screen will be captured and saved as an image file.

Note

✓ A captured image will be saved to a folder under the **Capture Folder** of Basic Settings on the home screen. The name of this folder is the date the image was captured.

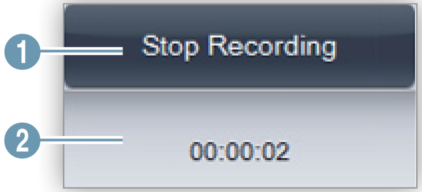
Video Capture

You can record and save the current screen as a video file by clicking **Video Capture**. Video files created using this feature can be utilized as lesson material.



Num	Description
①	**Resolution**: Select a video resolution.
②	**Frame Rate**: Select a video frame rate.
③	**Mike**: Select a microphone device for voice input that will be recorded along with video.
④	Start recording a video.

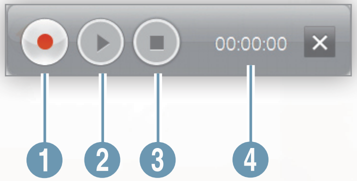
Once recording a video starts, the following screen will appear indicating that video recording is in progress.



Num	Description
①	Stop the current video recording. A recorded video is saved to the video folder configured in the basic settings menu. To view the recording, go to **Contents Libraries** - **Videos**.
②	View the length of recording time during video recording.

Event Recording

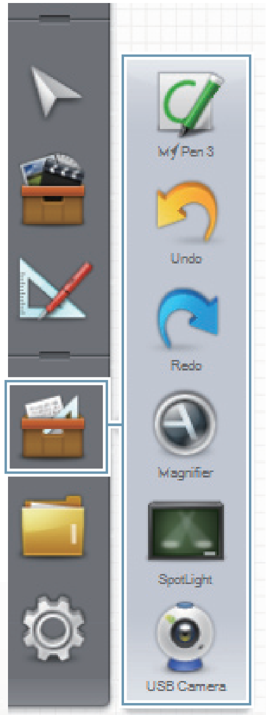
Event Rec. allows you to record an event that occurs on the whiteboard and then allows you to play the recorded event.



Num	Description
①	Record an event starting from when the button is clicked.
②	Play the recorded event.
③	Stop the current recording session.
④	View the time the event was recorded.

Using the Function Menu

Select the **Function** < > icon on the main toolbar. The following sub menu items will appear.

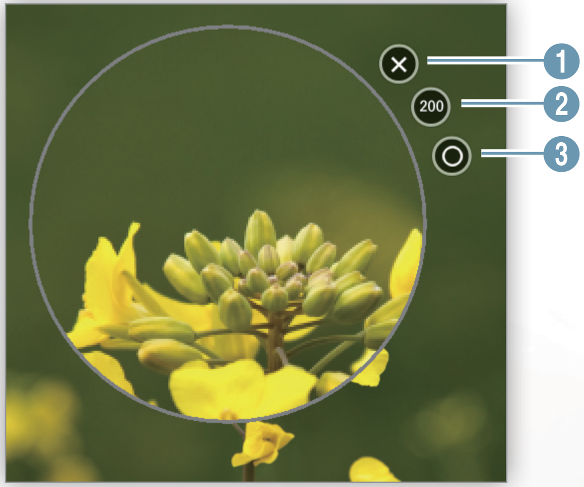


Name	Description
My Pen 3	Save your own frequently used pen styles.
Undo	Cancel the previously executed command.
Redo	Put back changes that were undone using the "Undo" function.
Magnifier	Zoom in on part of the screen.
SpotLight	Highlight part of the screen.
USB Camera	Activate the USB camera function.

Learn more about the sub menu items of **Function** as follows.

Magnifier

You can zoom in on part of the screen by clicking the magnifier icon. To move the area zoomed in, click anywhere inside the area and drag. To resize the area zoomed in, click and drag the border of the area.



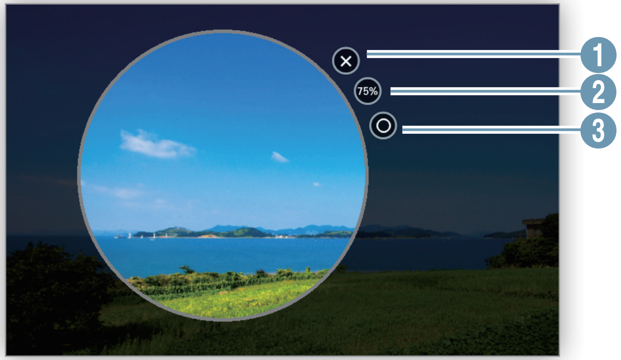
Num	Description
1	Close the Magnifier function.
2	Select a magnification. (Settings available: 200%, 300%, 400%)
3	Select the shape of the area zoomed in (Rectangle or Circle).

Note

- ✓ The size of the area zoomed in (Magnifier) can be adjusted by using the multi touch 2 (resize) function.
- ✓ Refer to "Using the touch function" in this manual for further details on how to use the multi-touch function.

SpotLight

You can highlight part of the screen by clicking **SpotLight**. To move the area highlighted, click anywhere inside the area and drag. To resize the area highlighted, click and drag the border of the area.



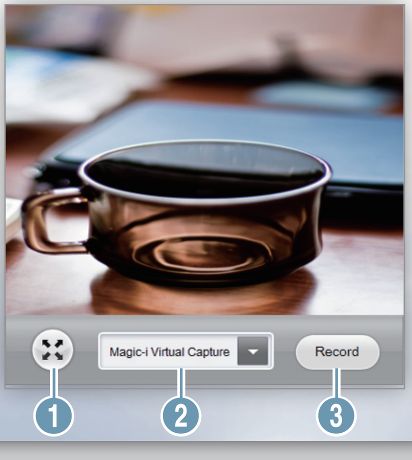
Num	Description
①	Close the spotlight function.
②	Specify the opacity for the area outside of the highlighted area. A higher value increases the opacity of the area outside of the highlighted area. (Settings available: 10%, 25%, 50%, 75%, 90%, 100%)
③	Specify the shape of the highlighted area: Rectangle, Circle or Star.

Note

- ✓ The area highlighted can be resized using the multi-touch 2 (resize) function.
- ✓ Refer to "Using the touch function" in this manual for further details on how to use the multi-touch function.

USB Camera

You can view the screen of a connected USB camera by clicking **USB Camera**.



Num	Description
①	Maximize the screen or return to the original size before maximizing.
②	Select a connected camera to load onto the screen.
③	For the current camera being connected, record or stop recording.

Settings

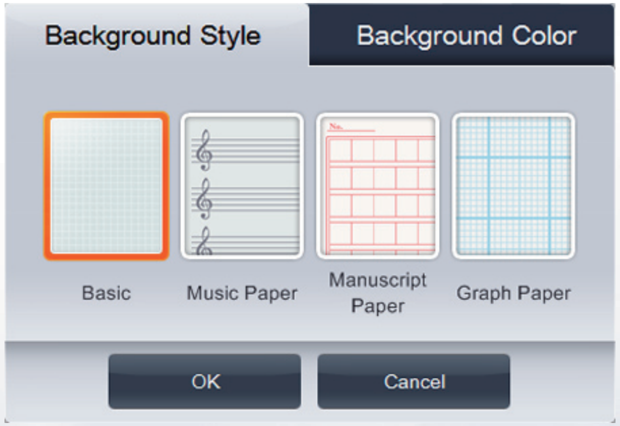
Select the **Settings** < ⚙ > icon on the main toolbar and configure the following settings.

Background settings

Background can be used to change the background style and color for the current document.

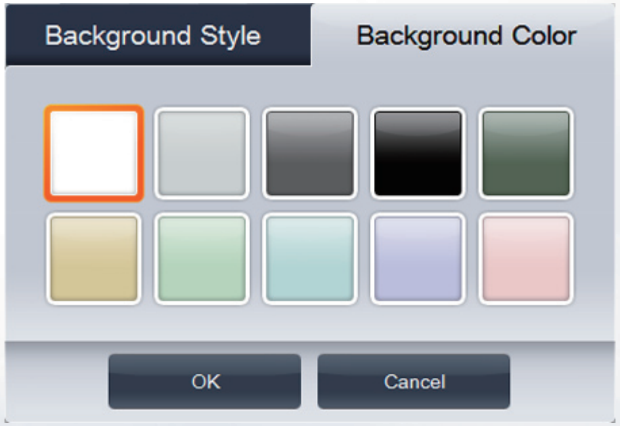
Background Style

The following four background styles are supported.
Select a style, and click **OK**.


Background Style
Background Color
Basic
Music Paper
Manuscript Paper
Graph Paper
OK
Cancel

Background Color

The following ten background colors are supported.
Select a color, and click **OK**.

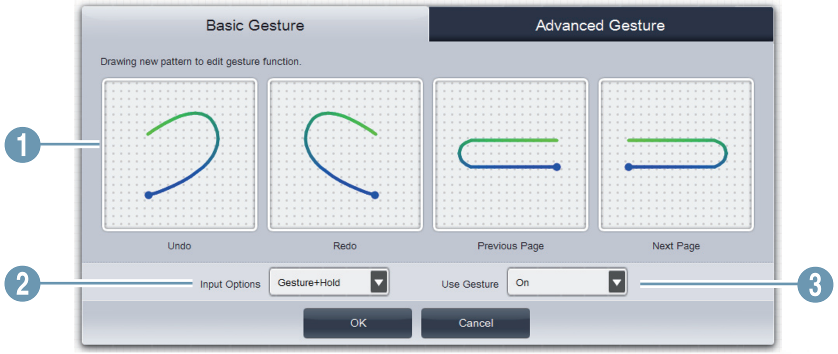

Background Style
Background Color
OK
Cancel

Gesture

A gesture refers to a particular action that will perform a specified command when drawing. You can assign a command to a gesture as required. To assign a command to a gesture, select **Gesture**.

Basic Gesture

Configure gestures required to perform basic functions: **Undo**, **Redo**, **Previous Page**, and **Next Page**.



Drawing new pattern to edit gesture function.

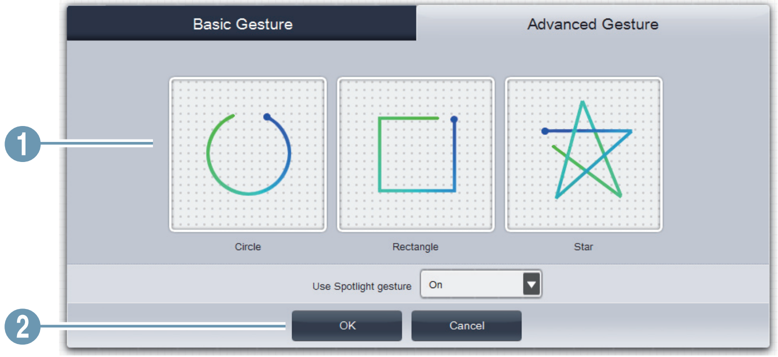
Input Options: Gesture+Hold

Use Gesture: On

Num	Description
①	Draw a gesture pattern for the function you want. The blue circle on a pattern refers to the start point of the gesture. The other end of the pattern refers to the end point of the gesture.
②	**Input Options**: To execute a command when your hand is away from the screen after performing the corresponding gesture, select **None**. To execute a command when your hand remains touching the screen for about 1 second after performing the corresponding gesture, select **Gesture+Hold**. If **None** is selected, a command will execute only when the gesture performed on the screen matches exactly the corresponding gesture pattern specified. If **Gesture+Hold** is selected, a command will execute if a gesture similar to the corresponding gesture pattern is drawn. The drawn gesture will disappear after the command executes.
③	**Use Gesture**: Select whether to use the gesture function (**Basic Gesture** or **Advanced Gesture**).

Advanced Gesture

Configure the gesture settings to use the **SpotLight** function.


Basic Gesture
Advanced Gesture
Circle
Rectangle
Star
OK
Cancel
①
②

Use Spotlight gesture: On

Num	Description
①	Perform a specified gesture on the screen to execute the **SpotLight** function. A gesture pattern specified cannot be modified.
②	**Use Spotlight gesture**: Select whether to use a gesture for the **SpotLight** function.

Customize

Customize allows you to relocate the icons on the main toolbar as desired.

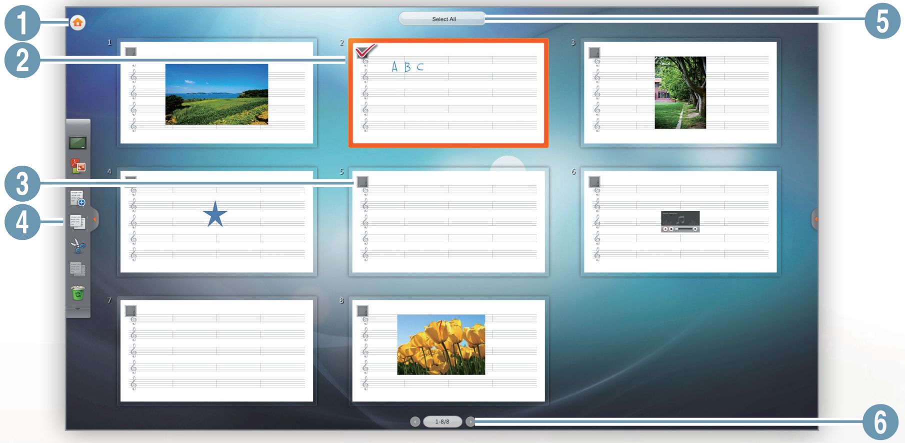
Note

✓ Refer to the section "Main toolbar modification" for further details on modifying the main toolbar.

2-7

Page Viewer Mode

Select the page viewer <> icon in whiteboard mode. The following page viewer screen will appear. In page-viewer mode, the tasks currently being performed on the screen can be previewed. Each content page can be moved, copied or deleted. All content pages will be displayed in thumbnail view on the screen. Each screen contains a maximum of 9 thumbnails (content pages).

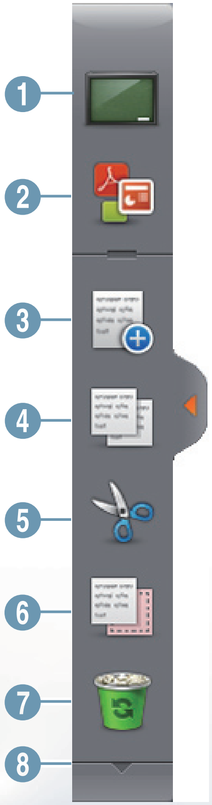


Num	Description
①	Move to the Interactive Whiteboard home screen.
②	Select a content page (thumbnail). The content page will be highlighted. To move to another content page, select the page you want.
③	You can delete, copy, cut, or paste multiple content pages at the same time by checking off the pages you want. Note Delete, copy, and cut are disabled if no page is selected. Note Paste is disabled if no page has been copied or cut.

Num	Description
❹	Delete, copy/cut, or paste the selected page using the page viewer toolbar.
❺	Select/deselect all pages.
❻	View the current page information (the current pages displayed/all pages). Also, go to the previous <◀> or next <▶> 9 pages.

Page Viewer Mode Toolbar

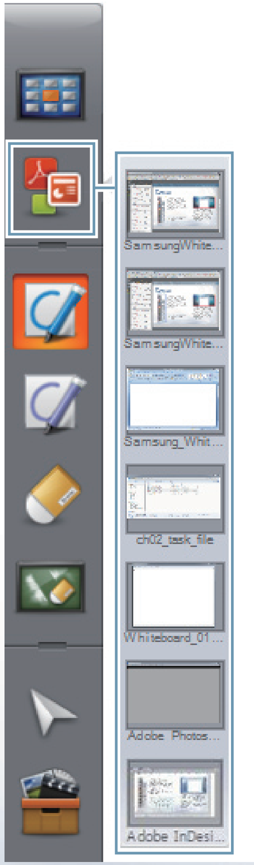
Switch to page viewer mode. The following toolbar will appear.



Num	Name	Description
1	**Whiteboard viewer**	Open the most recently displayed whiteboard screen.
2	**Applications**	You can view a list of other applications currently running. You can also move to another application and draw on the application screen.
3	**Add new pages**	Create a new page.
4	**Copy**	Copy the selected pages.
5	**Cut**	Cut the selected pages.
6	**Paste**	Paste pages you have copied or cut.
7	**Delete**	Delete the selected pages.
8	**File**	Tap the extend button<▾> to extend the toolbar displaying the **File** <📁> menu. The **File** menu allows you to use the features: New File, Open, Save, Save As, Publishing, Print, Capture, Video Capture, and Event Rec.

2-8

Application Mode

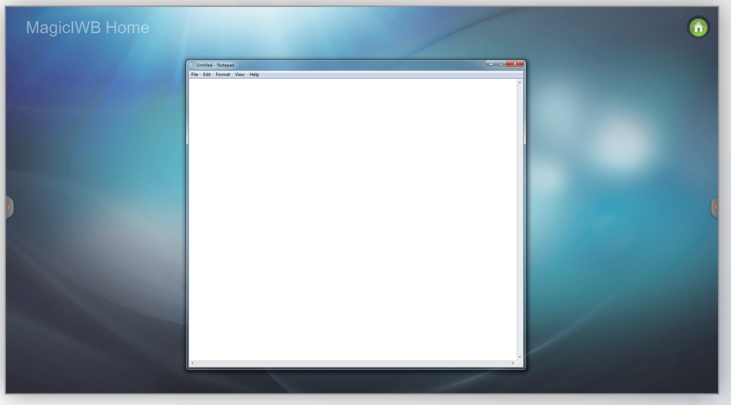

SamsungWhite...
SamsungWhite...
Samsung_Whit...
ch02_task_file
Whiteboard_01...
Adobe Photos...
Adobe InDesi...

Under application mode, you can run other applications on the Interactive Whiteboard. You can also draw on the screen or move to another application while other applications are running.

Select the **Applications** < > icon on the main toolbar in whiteboard mode. All the applications currently running can be viewed as real-time thumbnails as shown on the left.

Note

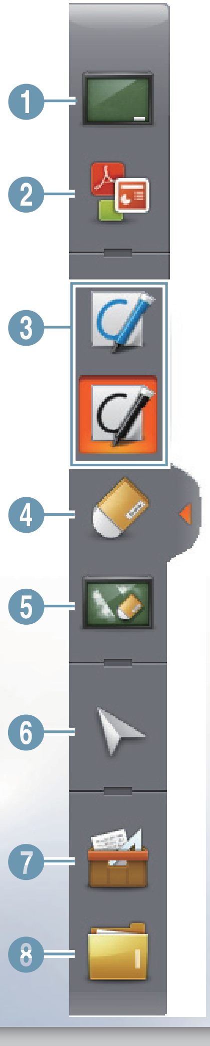
✓ The real-time thumbnail screen functions properly only when the **Aero** function of **Windows** is activated.


MagicIWB Home
Untitled - Notepad
File Edit Format View Help

Select the thumbnail of an application. Application mode will activate as shown above and the selected application will be activated for use. The toolbar will minimize and the whiteboard mode screen will be replaced by the default home screen. To revert back to whiteboard mode, click the **Whiteboard Viewer** < > icon on the toolbar in application mode. Next, select **Whiteboard Mode** < >.

Application Mode Toolbar

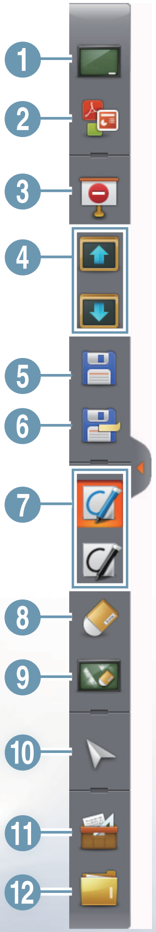
The toolbar minimizes in application mode. Click < >. The application mode toolbar will appear. You can draw using the drawing tools on the toolbar while using other applications.



Num	Name	Description
①	**Whiteboard viewer**	**Whiteboard Mode**: Display the whiteboard screen. **Page Viewer Mode**: Display the page viewer mode screen.
②	**Applications**	You can view a list of other applications currently running. You can also move to another application and draw on the application screen.
③	**My Pen 1 - 2**	Save your own frequently used pen styles.
④	**Eraser**	Activate the eraser mode. Remove drawings by dragging the circular eraser displayed when the eraser mode is activated.
⑤	**Clear the screen**	Delete everything you drew and reset the screen.
⑥	**Select**	Select and modify drawings or content.
⑦	**Function**	Provided features include My Pen 3, Undo, Redo, Edit, Magnifier, SpotLight, and Opacity. • **Opacity**: Specify the opacity of the default background screen. A higher value increases the opacity. (Settings available: 0%, 10%, 15%, 20%)
⑧	**File**	• **Capture**: Capture and save the current screen to a specified folder. • **Video Capture**: Capture the current screen in video format.

Toolbar for PowerPoint Files

Select the PowerPoint application from the application menu. The screen will change and the toolbar will also change as shown below.



Num	Name	Description
①	**Whiteboard viewer**	**Whiteboard Mode**: Display the whiteboard screen. **Page Viewer Mode**: Display the page viewer mode screen.
②	**Applications**	You can view a list of other applications currently running. You can also move to another application and draw on the application screen.
③	**Start/Stop Slideshow**	Start or stop a slideshow.
④	**Navigate Pages**	Move to the previous or next slide.
⑤	**Insert into a PowerPoint document**	Insert the drawing on the current PowerPoint page into a PowerPoint document.
⑥	**Insert into all PowerPoint documents**	Insert the drawing on the current PowerPoint page into all the PowerPoint documents.
⑦	**My Pen 1 - 2**	Save your own frequently used pen styles.
⑧	**Eraser**	Activate the eraser mode to erase drawings.
⑨	**Clear the screen**	Delete everything you drew and reset the screen.

Num	Name	Description
⑩	**Select**	Select a drawing or an inserted content item.
⑪	**Function**	Provided features include My Pen 3, Undo, Redo, Edit, Magnifier, SpotLight, and Opacity. • **Opacity**: Specify the opacity of the default background screen. A higher value increases the opacity. (Settings available: 0%, 10%, 15%, 20%)
⑫	**File**	• **Capture**: Capture and save the current screen to a specified folder. • **Video Capture**: Capture the current screen in video format.

03

Managing a Class (MagicIMS)

3-1

What is MagicIMS?

◎ MagicIMS is a program that allows the Interactive Whiteboard and student devices (MagicIMS Agent) to share display output and data with each other. The program can be used to administer lessons. MagicIMS Agent is installed and used on the teacher's PC.

◎ MagicIMS allows you to control and monitor the MagicIMS Agent. You can also disseminate an online exam or vote.

Note

✓ To use MagicIMS, the Interactive Whiteboard, MagicIMS and MagicIMS Agent must be connected to the same network at all times and the student must use the Join Class function to come Online in a lesson.

✓ If the network has issues, the MagicIMS function may not operate properly and the MagicIMS Agent program installed on student devices may not run.

✓ MagicIMS may not function properly if a firewall is enabled on the PC it is installed on.

✓ If there is no interactive whiteboard that is configured to connect to the MagicIMS, the MagicIMS will not start.

Main Functions

Lesson administration

- ◎ Create and open a class; invite students to the class; and create groups to control students on a group basis.

Monitoring student devices (MagicIMS Agent) / Sharing display output between the Samsung Interactive Whiteboard and student devices (MagicIMS Agent)

- ◎ Device screens of students attending the current class are displayed in thumbnail preview format. (and updated every 6 seconds)
- ◎ The Interactive Whiteboard screen can be displayed and controlled on student devices.
- ◎ The screen of a student device can be displayed and controlled on MagicIMS.
- ◎ The screen of a student device can be displayed and controlled on another student device.

Student Control

- ◎ Lock student devices so that the students are blocked from using their devices and encouraged to pay attention to the Interactive Whiteboard screen.
- ◎ Block students from accessing certain applications or the Internet on their devices.
- ◎ Log off, reboot and/or shut down student PCs.

Data Sharing

- ◎ Transfer files between the teacher and student devices through MagicIMS.
- ◎ Synchronize and play a video file on the Interactive Whiteboard and student devices.
- ◎ Run an application or website on student devices.

Online test

- ◎ Conduct a short online exam or vote.

3-2

Installing

Requirements to Install MagicIMS

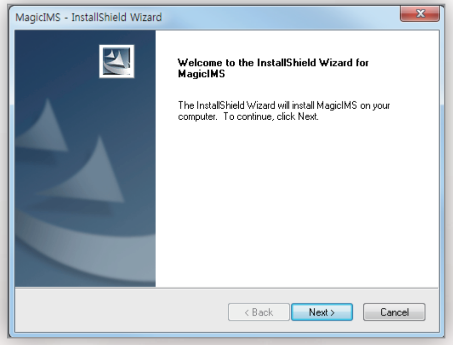
Components	Requirements
CPU	2.5GHz Intel Core 2 Duo or higher
Memory	2GB or greater
HDD	Remaining space of 1GB or greater
Graphics card	AMD Radeon HD 6000 or higher
Display screen resolution	1280 x 720 or higher
Operating system	Windows 7, Windows 8

MagicIMS Installing

Note

- ✓ For effective lesson management, it is recommended that MagicIMS be on the teacher's PC and not on the PC the Interactive Whiteboard is installed on.
- ✓ Samsung Electronics shall not be liable for any problem caused by the user's installation or use of software that is not displayed in the Interactive Whiteboard software screen when running the Interactive Whiteboard software for the first time.

1.



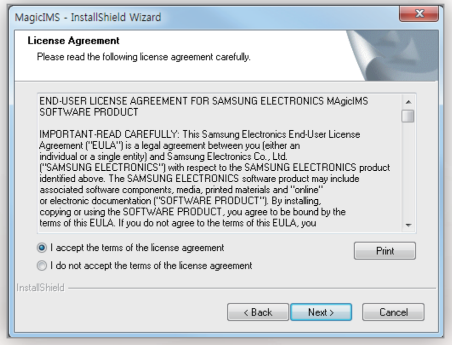
Welcome to the InstallShield Wizard for MagicIMS

The InstallShield Wizard will install MagicIMS on your computer. To continue, click Next.

Run the install file to initiate the program installation process.

Click **Next**.

2.



License Agreement

Please read the following license agreement carefully.

END-USER LICENSE AGREEMENT FOR SAMSUNG ELECTRONICS MAgicIMS SOFTWARE PRODUCT

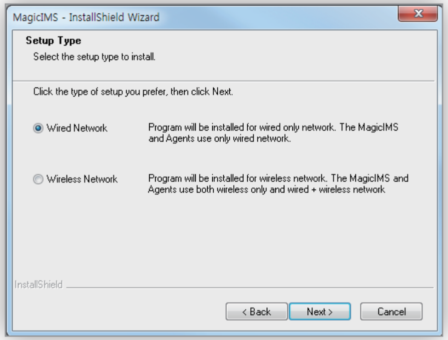
IMPORTANT-READ CAREFULLY: This Samsung Electronics End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. ("SAMSUNG ELECTRONICS") with respect to the SAMSUNG ELECTRONICS product identified above. The SAMSUNG ELECTRONICS software product may include associated software components, media, printed materials and "online" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying or using the SOFTWARE PRODUCT, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this EULA, you

● I accept the terms of the license agreement

○ I do not accept the terms of the license agreement

Accept the license agreement and click **Next**.

3.


MagicIMS - InstallShield Wizard
InstallShield
< Back
Next >
Cancel

Setup Type

Select the setup type to install.

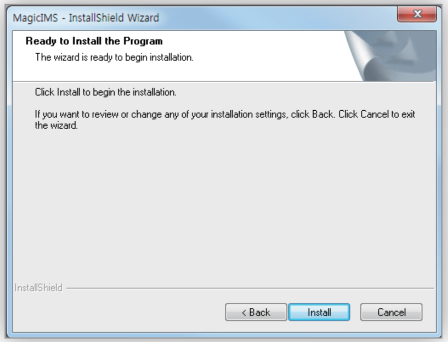
Click the type of setup you prefer, then click Next.

● Wired Network — Program will be installed for wired only network. The MagicIMS and Agents use only wired network.

○ Wireless Network — Program will be installed for wireless network. The MagicIMS and Agents use both wireless only and wired + wireless network

After selecting the network environment to be used for the program, click **Next**.

4.


MagicIMS - InstallShield Wizard
InstallShield
< Back
Install
Cancel

Ready to Install the Program

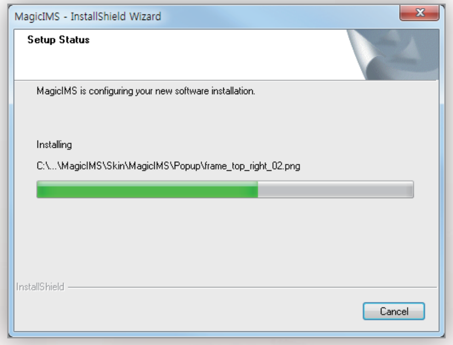
The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

Click **Install** to start installation.

5.


MagicIMS - InstallShield Wizard
InstallShield
Cancel

Setup Status

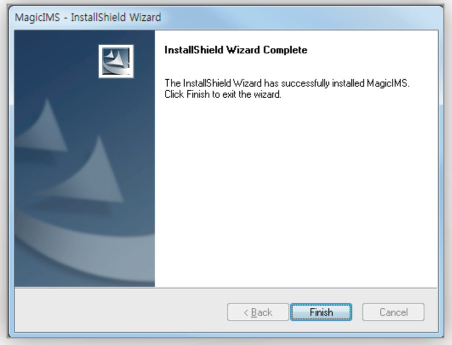
MagicIMS is configuring your new software installation.

Installing

C:\...\MagicIMS\Skin\MagicIMS\Popup\frame_top_right_02.png

The installation will proceed.

6.


MagicIMS - InstallShield Wizard
< Back
Finish
Cancel

InstallShield Wizard Complete

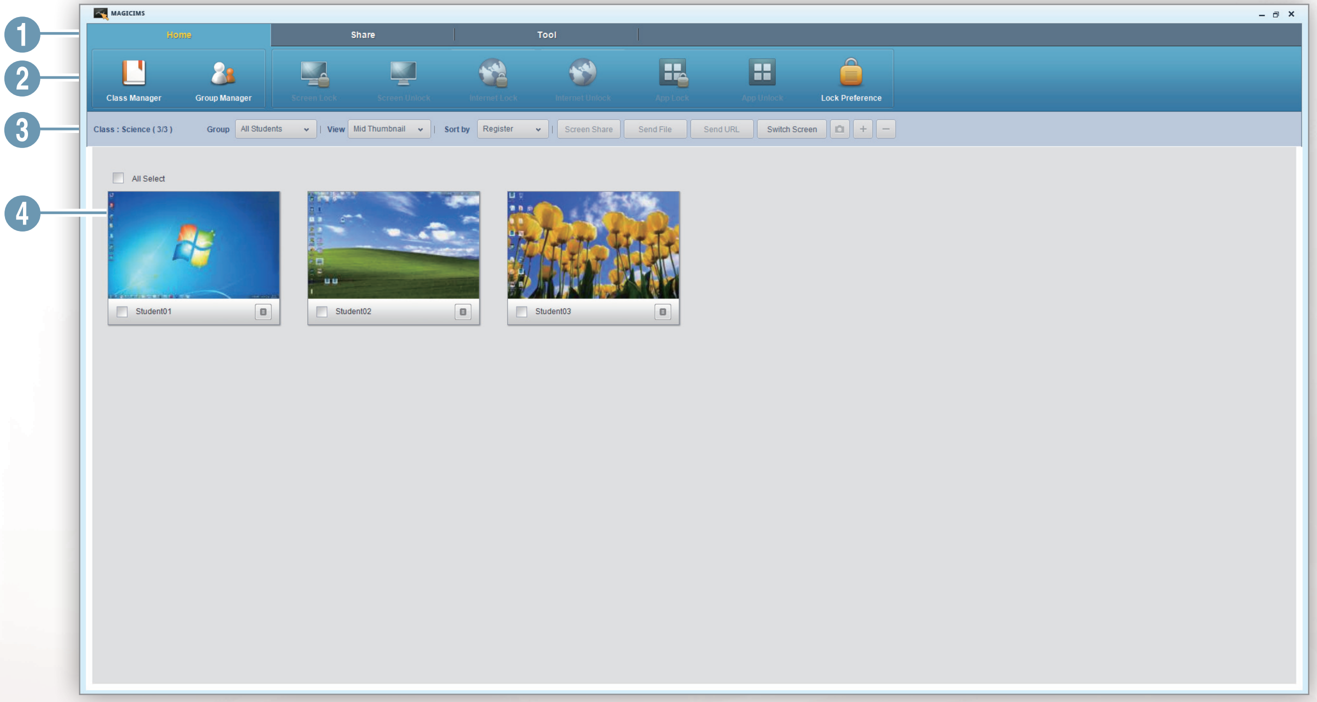
The InstallShield Wizard has successfully installed MagicIMS. Click Finish to exit the wizard.

When you click **Finish**, the installation will be completed.

3-3

MagicIMS Screen Layout

If you run MagicIMS after installation, the following screen will appear.


①
②
③
④
MAGICIMS
Home
Share
Tool
Class Manager
Group Manager
Screen Lock
Screen Unlock
Internet Lock
Internet Unlock
App Lock
App Unlock
Lock Preference
Class : Science (3/3)
Group
All Students
View
Mid Thumbnail
Sort by
Register
Screen Share
Send File
Send URL
Switch Screen
All Select
Student01
Student02
Student03

Num	Name	Description
❶	**Tab menu at the top**	View sub menu items of each tab menu. Select the desired tab. Corresponding sub menu items will appear below the tab.
❷	**Sub tab menu**	Perform general functions of MagicIMS. Select a tab, then use the available sub menu items as desired. *Note* Refer to the section "Sub tab menu" for further details on sub tab menu items.
❸	**Settings menu**	This independent menu, which does not belong to any tab, can be used to configure settings for features related to lessons and a list of students. *Note* Refer to the section "Settings menu" for further details on the list setting.
❹	**List screen**	View display out of the Interactive Whiteboard and student devices in use in the currently open class.

3-4

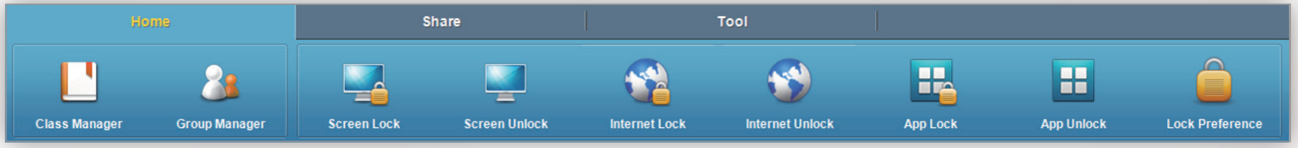
Sub tab menu

Perform general functions of MagicIMS using the various sub tab menu items.

Note

✓ Clicking each tab will display the corresponding sub menu items. Sub menu items differ according to the selected tab.

Sub Menu Items by Tab

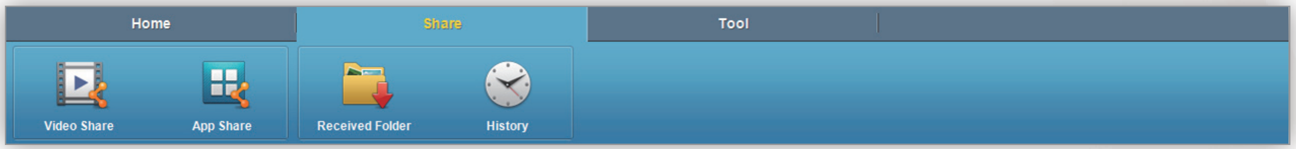

Home
Share
Tool
Class Manager
Group Manager
Screen Lock
Screen Unlock
Internet Lock
Internet Unlock
App Lock
App Unlock
Lock Preference

Tab	Name	Description
Home	**Class Manager**	Classes can be opened, renamed or deleted.
	Group Manager	Create groups to manage students by group.
	Screen Lock	Lock the screens of the selected student devices. By locking device screens, students are encouraged to focus on the lesson.

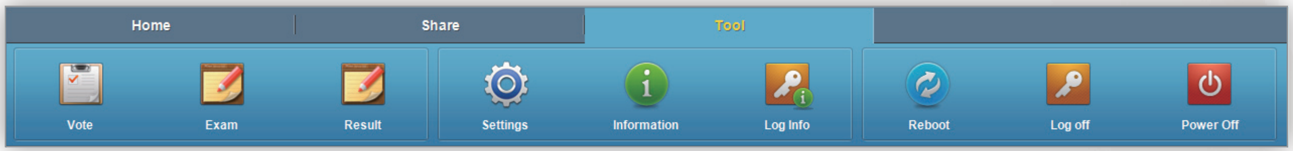
Sub tab menu

Tab	Name	Description
Home	**Screen Unlock**	Unlock the screens of student devices.
	Internet Lock	Restrict the selected students from accessing the Internet.
	Internet Unlock	Unblock student access to the Internet.
	App Lock	Restrict running certain applications. Note Before using this option, set the application whose use is to be restricted on the **Application Lock** tab in **Lock Preference**.
	App Unlock	Unlock an application.
	Lock Preference	• **Application Lock** and **Internet Exception** are set. • **Application Lock**: An application whose use is to be restricted when the **App Lock** option is used is specified. • **Internet Exception**: Websites to exclude from the application of the **Internet Lock** option are specified.

Sub tab menu


Home
Share
Tool
Video Share
App Share
Received Folder
History

Tab	Name	Description
Share	**Video Share**	Load a video from the PC (PC of the teacher) where MagicIMS is installed and play the video on student devices.
	App Share	Run an application on the selected student devices.
	Received Folder	Open the folder where incoming files are saved.
	History	View the file transfer records.


Home
Share
Tool
Vote
Exam
Result
Settings
Information
Log Info
Reboot
Log off
Power Off

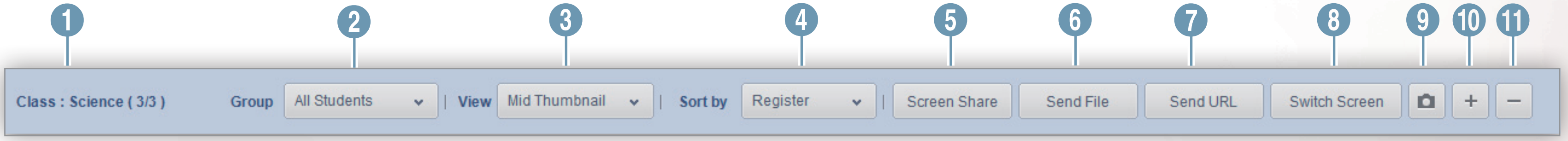
Tab	Name	Description
Tool	**Vote**	Conduct an online vote.
	Exam	Conduct an online exam.
	Result	View the results of online exams and polls. Note Refer to "Taking a Poll or Exam" for further details on polls and exams.
	Settings	• **Language**: Program language is selected. • **Network**: Select the network device you want to use from MagicIMS when there is more than one network device. • **Vote/Exam**: Specify the folder location to save the test documents used in **Exam** and **Vote**.
	Information	Program version information is displayed.
	Log Info	View the logs of the program.
	Reboot	Restart the PC of the selected student.
	Log off	Log off the PC of the selected student.
	Power Off	Shut down the PC of the selected student.

3-5

Settings menu

The Settings menu can be used to configure the settings for features related to the currently open class or a list of students belonging to a group.

Settings Menu Layout



Class : Science (3/3)

Group All Students

View Mid Thumbnail

Sort by Register

Num	Name	Description
①	**Class**	View the name of the currently open class. Total number of students who are belong to the class and students who are attending the class are shown in parentheses.
②	**Group**	Select the group you want to display on the list screen: White Board, All Students, a created group (Group1 or 2).
③	**View**	Specify the mode to view the list screen: Mid Thumbnail, Small Thumbnail, or List.
④	**Sort by**	Select a criterion of assortment. You can sort by registered time and name.
⑤	**Screen Share**	Share display output between the Interactive Whiteboard and student devices.

Num	Name	Description
⑥	**Send File**	Transfer a file to student devices.
⑦	**Send URL**	Enter a web address in the **Send URL** field. The corresponding website will open.
⑧	**Switch Screen**	Switch the MagicIMS screen to the primary or secondary monitor when using multiple displays. Note Up to 2 monitors are supported. This feature is disabled if only one display is used or if **Multiple displays** is set to **Duplicate these displays** when more than one display is used.
⑨	📷	Capture the screen of a student device.
⑩	+	Add a student to the selected group.
⑪	−	Delete a student from a lesson or group.

3-6

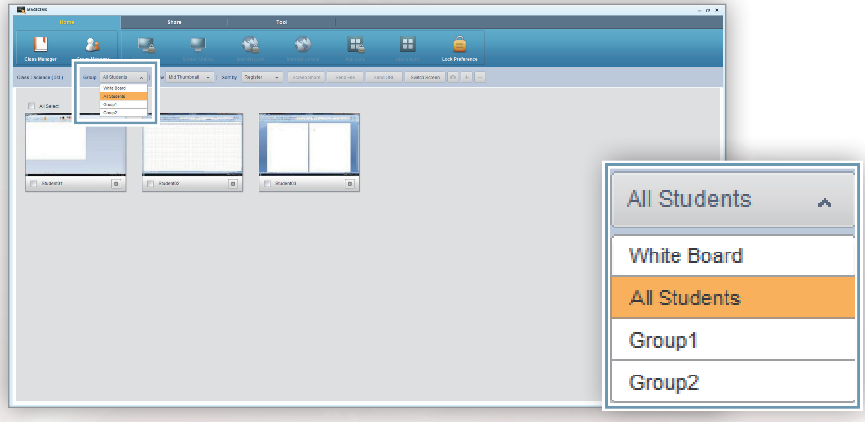
Viewing the List Screen

You can view the screens of the Interactive Whiteboard and student devices.

Change the list screen view mode using the **Group** and **View** combo boxes in the Settings menu.

Selecting a Group

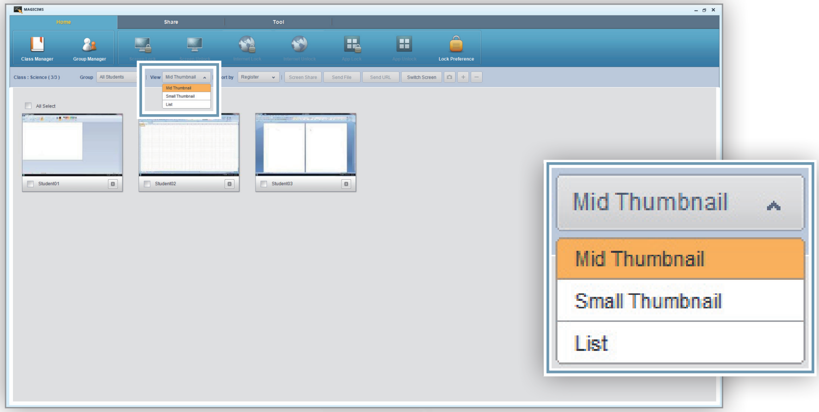
Select the group you want to display on the list screen.



Name	Description
White Board	Display the screen of the Interactive Whiteboard connected to the currently open class.
All Students	Display the device screens of all the students attending the currently open class.
(Created group)	Select one of the groups created for the currently open class and display the device screens of all the students that belong to the group. (E.g. Group1 or Group2)

Selecting a View Mode

Specify the mode to view the list screen.



Name	Description
Mid Thumbnail	Display the screens of student devices as preview thumbnails.
Small Thumbnail	Display the screens of student devices as preview thumbnails smaller than mid thumbnail view mode.
List	Display the students as a list. Preview of device screens is not provided. To view the status of student devices, refer to the various status icons in the list of students.

3-7

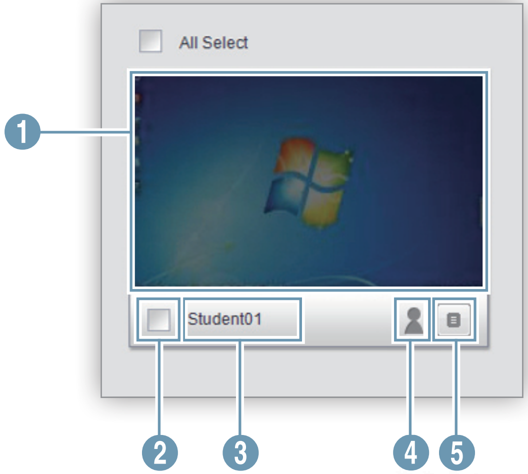
Viewing Student Information

View student information using the list of students.

Note

✓ Displayed student information may vary depending on the mode to view the selected list screen.

Mid Thumbnail Mode

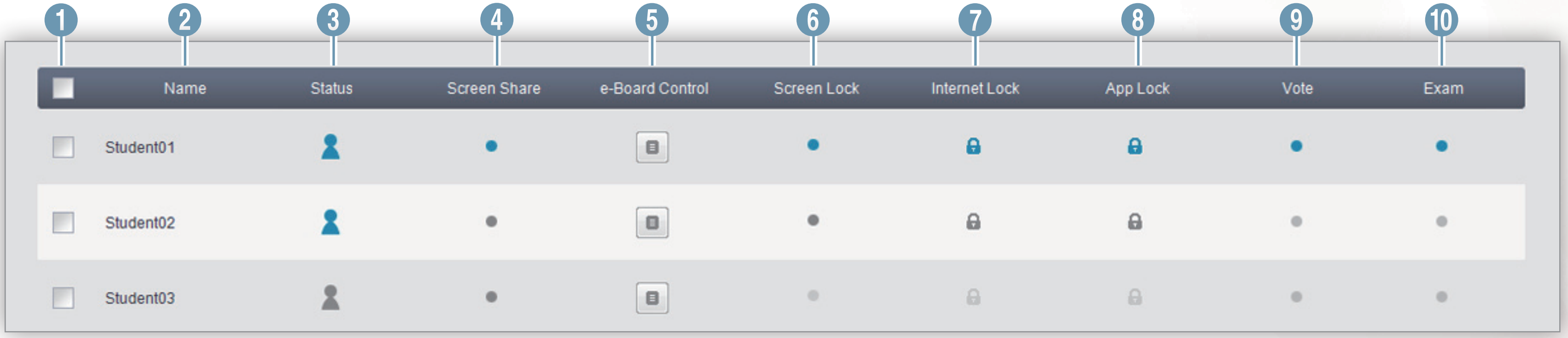


Num	Description
1	Preview the screen of the current student device that is online. Clicking the preview screen displays the **Screen Share** window.
2	Select the current student by selecting the checkbox.
3	View the current student's name.
4	The student's connection status is displayed. 👤 : Off line • This icon will not appear if the student is online.
5	Give the current student access to control the Interactive Whiteboard. This will allow the Interactive Whiteboard to be controlled from the student device.

Note

✓ To select all students, select the checkbox for **All Select**.

List Mode


①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
Name
Status
Screen Share
e-Board Control
Screen Lock
Internet Lock
App Lock
Vote
Exam
Student01
Student02
Student03

Num	Name	Description
①	☐	Select the current student by selecting the checkbox. To select all the students on the list, select the checkbox on the top menu bar.
②	**Name**	View the current student's name.
③	**Status**	The student's connection status is displayed. 👤 : On line 👤 : Off line
④	**Screen Share**	View whether the student device screen is shared with the Interactive Whiteboard. Clicking ● when the student device screen is not shared will start screen sharing. ● : Shared ● : Not shared

Num	Name	Description
⑤	**e-Board Control**	Give the current student access to control the Interactive Whiteboard. This will allow the Interactive Whiteboard to be controlled from the student device. ▤ : Default mode when no one has access to control the Interactive Whiteboard ▤ : The current student is given access ▤ : Another student is given access
⑥	**Screen Lock**	View whether the screen is locked. Click the icon to lock or unlock the screen. ● : Screen is locked ● : Screen is not locked ○ : Off line
⑦	**Internet Lock**	View whether Internet access is locked. Click the icon to lock or unlock the screen. 🔒 : Internet access is locked 🔒 : Internet access is not locked 🔒 : Off line
⑧	**App Lock**	View whether application access is locked. Click the icon to lock or unlock the screen. 🔒 : Application access is locked 🔒 : Application access is not locked 🔒 : Off line

Num	Name	Description
⑨	**Vote**	View whether the student voted. 🔵 : Voted ⚪ : Did not vote yet
⑩	**Exam**	View whether the student took an exam. 🔵 : Completed the exam ⚪ : Did not took the exam yet

3-8

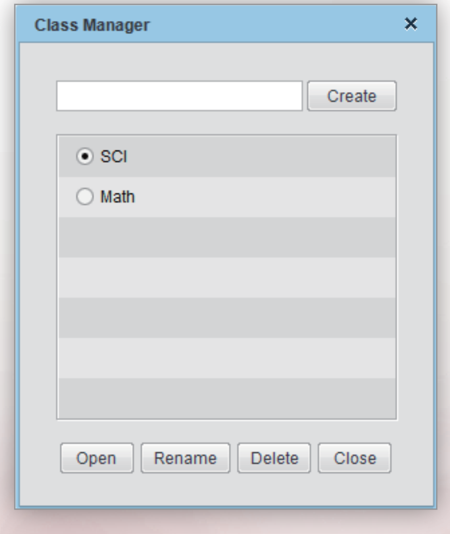
Classroom Management

Manage the classroom. Students and groups taking part in classes are managed and new classes can be opened.

Class Management

Classes can be opened, renamed or deleted.

Click **Class Manager** under the **Home** tab to open the **Class Manager** window.



Name	Description
Create	• Enter the lesson name in the input field, then click **Create**. A new lesson will be created. • A duplicate lesson name cannot be used. Note When using the touch screen function, enter Class Name using the on-screen keyboard.
Open	• If you open an already created class, that class will be activated. • To start a lesson, select the desired lesson and click **Open**.

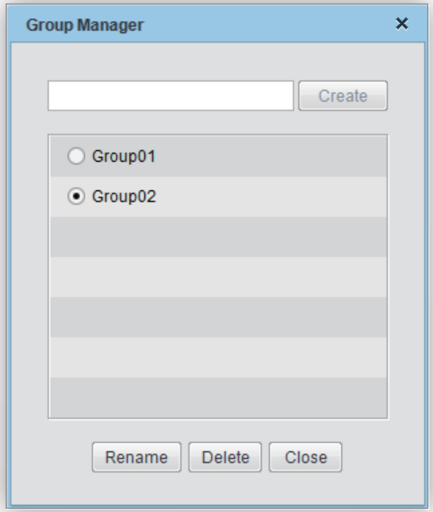
Name	Description
Rename	• Select the lesson to rename and click **Rename**. Enter a new lesson name and click **Done**. The lesson name will be changed to the new name. • To cancel the command to rename before the name is changed, press **ESC** on the keyboard or click any blank area on the screen. • Only one lesson can be renamed at a time. A lesson cannot be renamed to the same name as another lesson. Note When using the touch screen function, enter Class Name using the on-screen keyboard.
Delete	• Select the class to delete and click **Delete**. • A pop-up asking to confirm class deletion is displayed. Click **Yes** to delete the class.
Close	Exit the **Class Manager**.

Group Management

You can create groups and manage students on a group basis.

Click **Group Manager** under the **Home** tab to open the **Group Manager** window.

- A group created using the **Group Manager** can be viewed in the **Group** combo box under the Settings menu.
- Selecting a created group from the **Group** combo box will display all the students belonging to the group on the list screen.

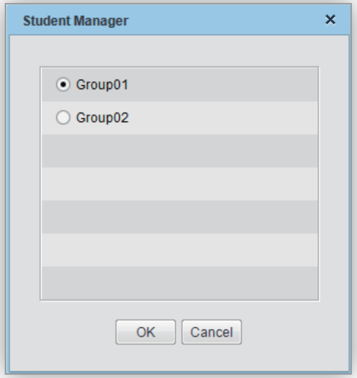


Name	Description
Create	• Enter the group name in the input field, then click **Create**. A new group will be created. • A duplicate group name cannot be used. Note If using the touch screen function, enter the group name using the on-screen keyboard.
Rename	• Select the group to rename and click **Rename**. Enter a new group name and click **Done**. The group name will be changed to the new name. • To cancel Rename before finishing, click **ESC** on the keyboard or any other blank area on the screen. • Only one group can be renamed at a time. A group cannot be renamed to the same name as another group. Note If using the touch screen function, enter the group name using the on-screen keyboard.

Name	Description
Delete	• Select the group to delete and click **Delete**. • A message will appear to confirm if you want to delete the group. To delete the group, click **Yes**.
Close	Exit the **Group Manager**.

Student Management

Add or delete a student by clicking <+> or <–> in the Settings menu.

Icon	Description
+	 Student Manager ✕ ● Group01 ○ Group02 OK Cancel **Add a student to a group created under the currently open class.** - Select the student to add to the group, then click <+> in the Settings menu. A list of groups created under the currently open class will appear. - Select the group to add the student to, then click **OK**. The student will be added to the selected group. - A single student can belong to multiple groups. Note Refer to "Group Management" for details about the group.

Icon	Description
−	**Deleting students from the current class** • Select **Group** - **All Students**. • Select the checkbox of the student to delete from the class in the list of all students. Next, click <−>. • A message will appear to confirm if you want to delete the student. To delete the student, click **Yes**. Students deleted from a class will be deleted from all other groups they belong to. **Deleting students from a group** • Select **Group** - a created group. • Select a student to delete from the intended group and click <−>. • A message will appear to confirm if you want to delete the student. To delete the student, click **Yes**. They will only be deleted from the selected group and be indicated as currently attending the class. Note Refer to "Group Management" for details about the group.

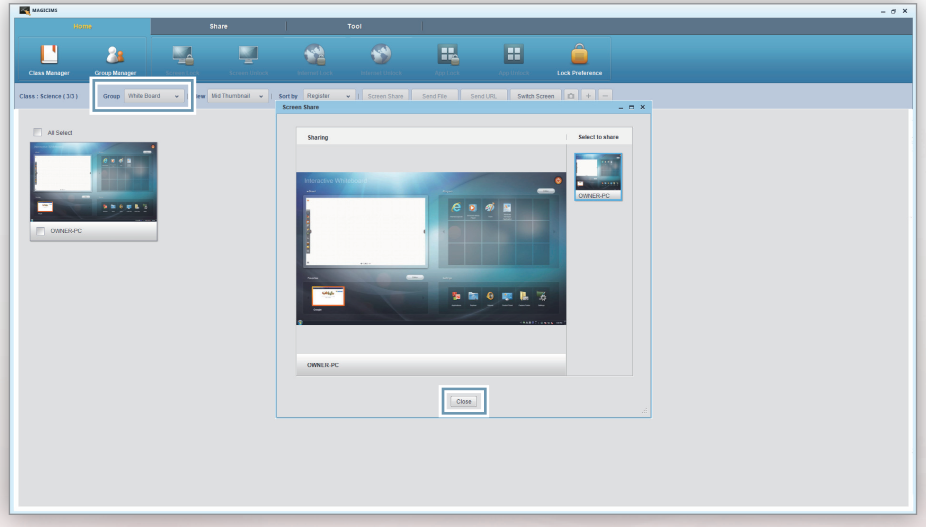
3-9

Broadcast

Screens can be shared among the teacher and students.

The broadcast function allows you to view and control the screen of a device.

Interactive Whiteboard Screen Sharing


MAGICIMS
Home
Share
Tool
Class Manager
Group Manager
Screen Lock
Screen Unlock
Internet Lock
Internet Unlock
App Lock
App Unlock
Lock Preference
Class : Science (3/3)
Group
White Board
View
Mid Thumbnail
Sort by
Register
Screen Share
Send File
Send URL
Switch Screen
All Select
OWNER-PC
Screen Share
Sharing
Select to share
Interactive Whiteboard
OWNER-PC
OWNER-PC
Close

The current Interactive Whiteboard screen can be displayed on student devices connected to the currently open class. The Interactive Whiteboard screen can be controlled from a student device.

- Select a whiteboard from the list of Interactive Whiteboards, then click **Screen Share**. The Interactive Whiteboard screen will be displayed on the student devices.

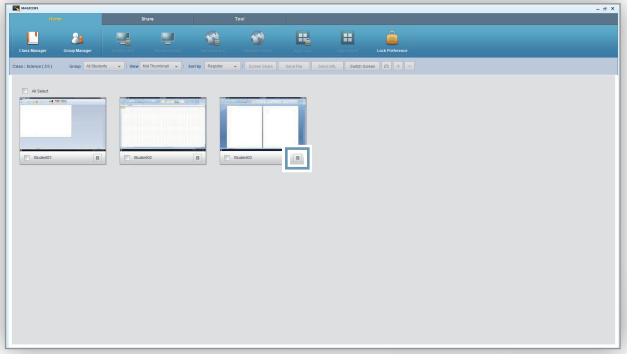
Note

✓ To display a list of whiteboards, select **White Board** from the **Group** combo box.

- To exit from the screen share mode, click **Close** at the bottom of the **Screen Share** window.

Configuring Access to Control the Interactive Whiteboard Screen

- If you click <▤> in the information screen of a student that is online when the Interactive Whiteboard screen is being shared, access to control the whiteboard screen will be given to the student.
- If you click <▤> in the information window of the student that has access to control the Interactive Whiteboard screen, <▤> will be disabled and access to control the whiteboard screen for the student will be cancelled.
- Access to control the whiteboard screen can be given to only one student at a time.



Icon	Description
▤	In this default mode, access to control the whiteboard screen is not given to anyone. Clicking this button will set the control authority to a certain student.
▤	Access to control is given to the current student. Clicking this button will cancel the current control authority set to a certain student.
▤	Access to control is given to another student. Clicking this button will make no change.

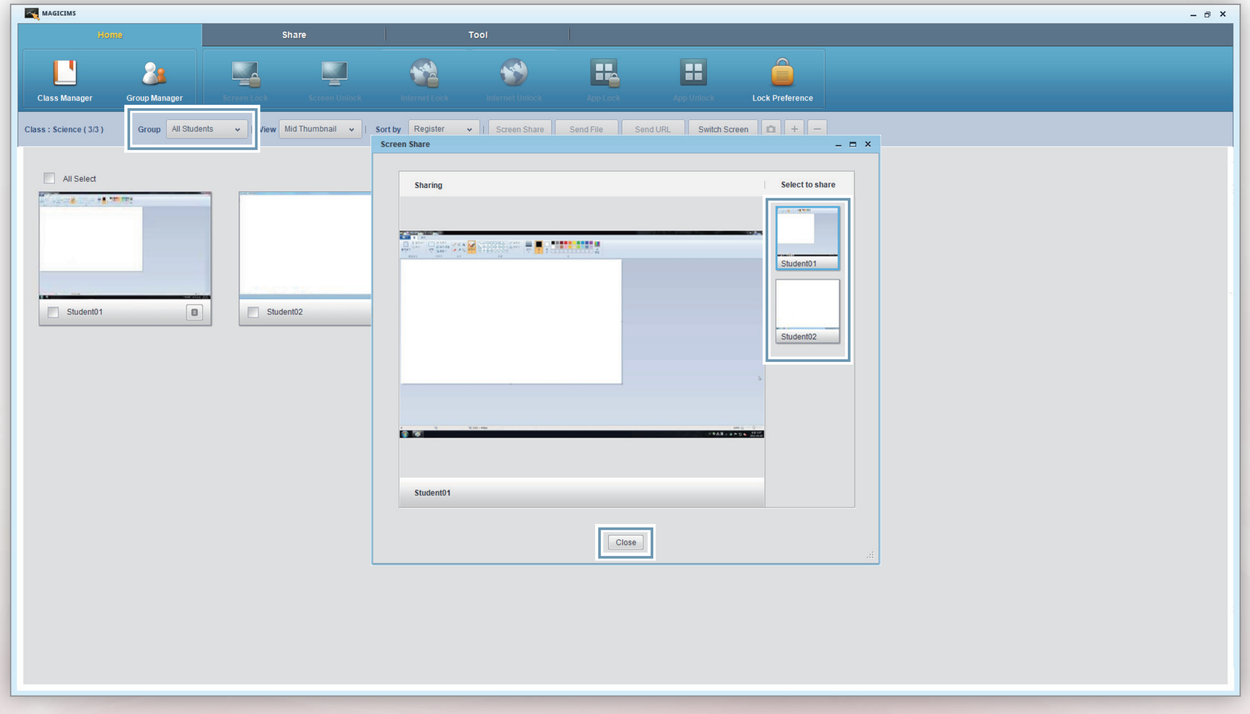
Note

✓ When MagicIMS or an application launched with administrator privileges is running, students are not able to control the Interactive Whiteboard screen. To use the screen control function, click the MagicIWB program screen from the Interactive Whiteboard to activate the program.

Sharing the Screen of a Student Device

Screen of a student device can be displayed on MagicIMS and other student devices.

- Select the desired student from the students online, then click **Screen Share**. Screen of the selected student device will be displayed on other student devices.
- If more than one student is selected, select the screen to share.
- To exit from the screen share mode, click **Close** at the bottom of the **Screen Share** window.



Class : Science (3/3)

Group: All Students

View: Mid Thumbnail

Sort by: Register

MAGICIMS
Home
Share
Tool
Class Manager
Group Manager
Screen Lock
Screen Unlock
Internet Lock
Internet Unlock
App Lock
App Unlock
Lock Preference
Screen Share
Send File
Send URL
Switch Screen
All Select
Student01
Student02
Screen Share
Sharing
Select to share
Student01
Student02
Student01
Close

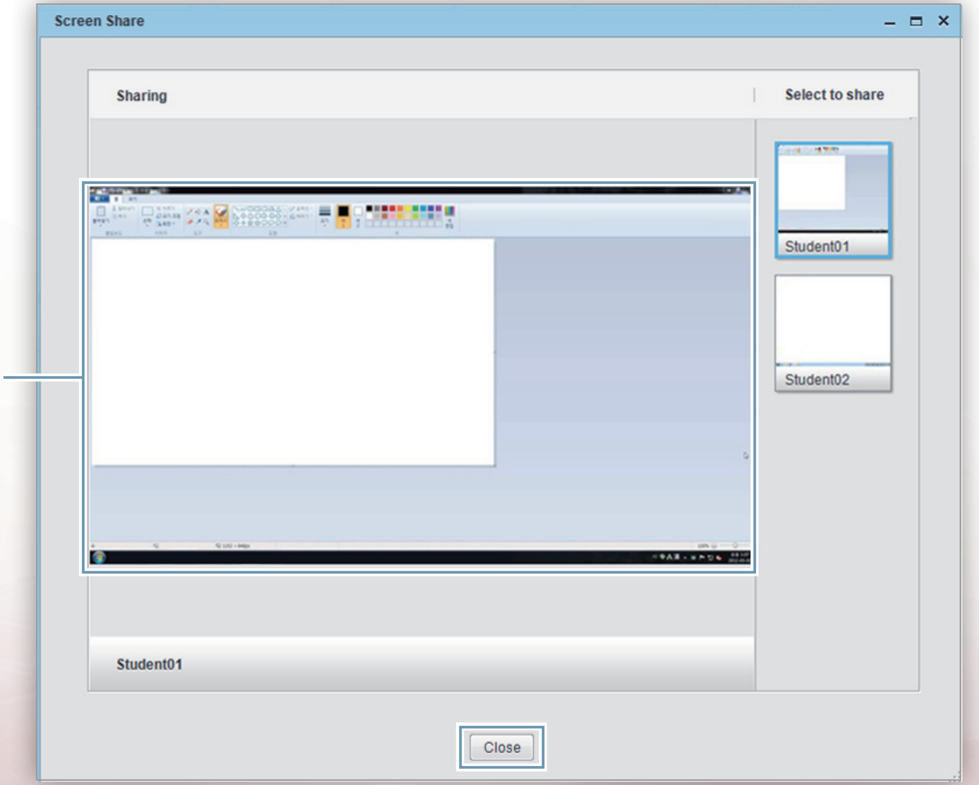
Controlling Student Devices

Control student devices remotely from MagicIMS.

- Select the student you want to remote control from the students online, then click **Screen Share**. Alternatively, click the preview thumbnail of the student device. The **Screen Share** window will appear.
- Remotely control the student device using the section where you can view a shared screen in the **Screen Share** window.
- To exit from screen share or remote control mode, click **Close** at the bottom of the **Screen Share** window.

Note

✓ It is not possible to remotely control the keyboard (iOS) of a student that is attending a lesson using a tablet (iPad).



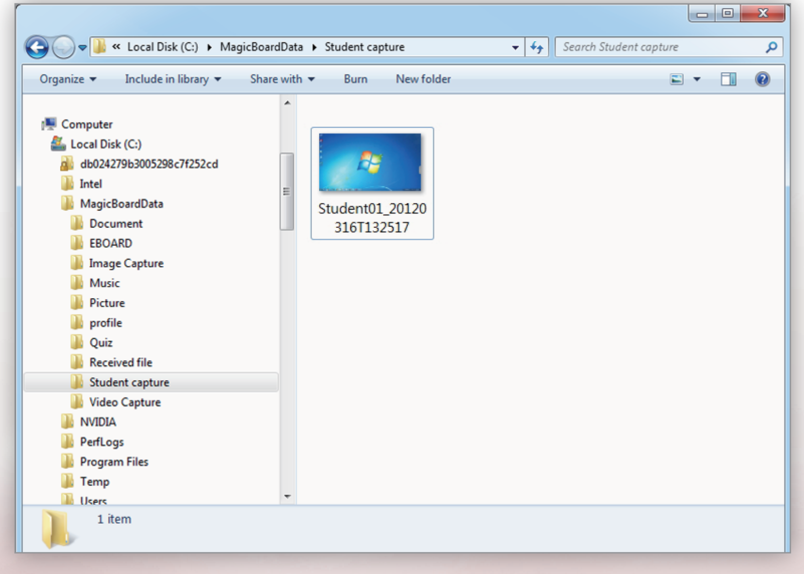
Section where you can view a shared screen

3-10

Student Control

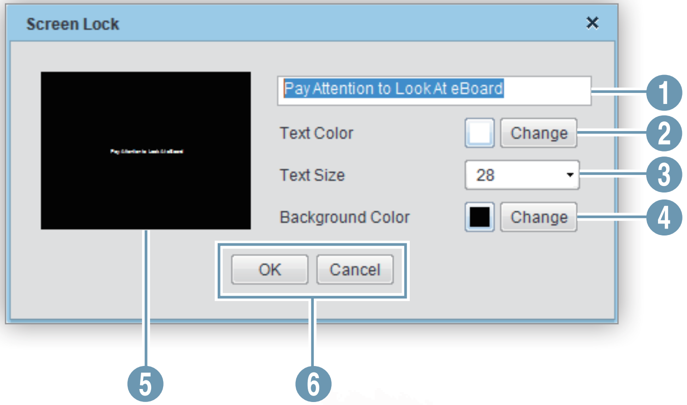
The teacher can control student devices. Capture the screen of a student device or block access to a certain function on the student device. This will encourage the student to focus on the lesson.

Screen Capture


« Local Disk (C:) ▸ MagicBoardData ▸ Student capture
Search Student capture
Organize ▾
Include in library ▾
Share with ▾
Burn
New folder
Computer
Local Disk (C:)
db024279b3005298c7f252cd
Intel
MagicBoardData
Document
EBOARD
Image Capture
Music
Picture
profile
Quiz
Received file
Student capture
Video Capture
NVIDIA
PerfLogs
Program Files
Temp
Users
Student01_20120316T132517
1 item

- Save a certain student's current screen in image file format.
- Select the desired student from the students online. Next, click <📷>.
- Any captured images will be saved in jpeg file format under the "**C:\MagicBoardData\Student capture**" folder.

Screen Lock



Pay Attention to Look At eBoard

Text Color: Change

Text Size: 28

Background Color: Change

- Restrict students from using their devices to encourage them to pay more attention to the lesson.
- Select the desired student from the students online, then click **Screen Lock**. The **Screen Lock** screen will appear.
- The screen specified on the MagicIMS is displayed on the student devices where **Screen Lock** is enabled. Keyboard or mouse input will not be available on the student devices.

Note

✓ The option is not available for a student that is attending a lesson using a tablet (iPad).

Num	Description
①	Enter the sentence to display on student devices.
②	Change the text color of the sentence displayed on student devices.
③	Change the text size of the sentence displayed on student devices.
④	Change the background color of student device screens.
⑤	Preview the screen that will be displayed on the student devices.
⑥	• **OK**: **Screen Lock** is executed. • **Cancel**: **Screen Lock** is cancelled.

Internet Lock

- Block Internet access on student devices.
- Select the desired student from the students online. Next, click **Internet Lock**.
- Student devices where **Internet Lock** is on are restricted from accessing any website except for those specified in **Lock Preference**.
- To disable **Internet Lock** mode on the student devices, click **Internet Unlock**.

Note

✓ The option is not available for a student that is attending a lesson using a tablet (iPad).

Application Lock

- Block certain applications from running on student devices.
- Select the desired student from the students online. Next, click **App Lock**.
- Student devices where **App Lock** is on are blocked from running the applications specified in **Lock Preference**.
- Any locked application running on the student devices will automatically close after a specified period of time (10 sec).
- To disable **App Lock** mode on the student devices, click **App Unlock**.

Note

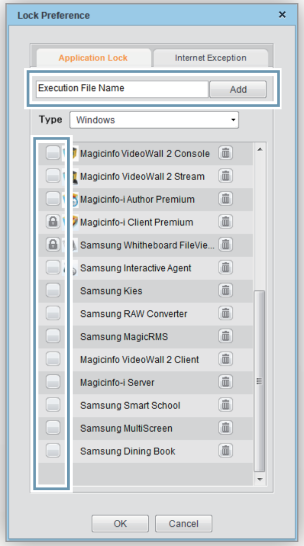
✓ Specify the applications to block using the **Application Lock** tab in **Lock Preference** first. This should be done before enabling the application lock mode.

✓ The option is not available for a student that is attending a lesson using a tablet (iPad).

Lock Preference

- **Application Lock** and **Internet Exception** are set.
- **Application Lock** can be used to specify the applications to block on student devices. **Internet Exception** can be used to specify the websites where Internet access is permitted while **Internet Lock** is on.

Application Lock


Lock Preference
×
Application Lock
Internet Exception
Execution File Name
Add
Type
Windows
☐ Magicinfo VideoWall 2 Console
☐ Magicinfo VideoWall 2 Stream
☐ Magicinfo-i Author Premium
Magicinfo-i Client Premium
Samsung Whitheboard FileVie...
☐ Samsung Interactive Agent
☐ Samsung Kies
☐ Samsung RAW Converter
☐ Samsung MagicRMS
☐ Magicinfo VideoWall 2 Client
☐ Magicinfo-i Server
☐ Samsung Smart School
☐ Samsung MultiScreen
☐ Samsung Dining Book
OK
Cancel

A list of applications on the system (where MagicIMS is installed) is displayed.

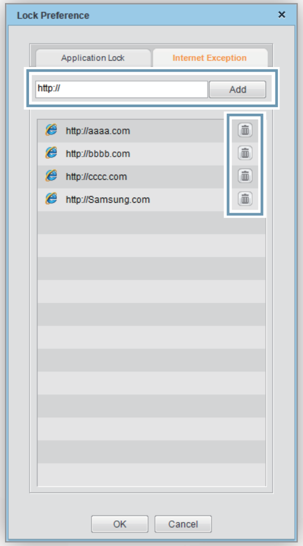
Select the type linked with MagicIMS Agent.

To add an application to the list, enter the executable file name of the desired application in the input field at the top. Next, click **Add**.

Select programs to lock and click **OK**.

Deselecting will unlock the corresponding programs.

Internet Exception


Lock Preference
×
Application Lock
Internet Exception
http://
Add
http://aaaa.com
http://bbbb.com
http://cccc.com
http://Samsung.com
OK
Cancel

Enter the URL of the website to which access will be permitted into the address bar at the top of the page and click **Add**.

Clicking the trash-can icon next to any added URL will exclude the corresponding website from the **Internet Exception** list.

Note

✓ All websites that include the word you enter in the address can be accessed.

For example, enter Samsung to connect to all websites that include the term Samsung.

✓ It is not possible to lock application and Internet access for a student that is attending a lesson using a tablet (iPad).

Student PC System Control

- Shut down, reboot or log off students' PCs.
- Select students from the students online. Next, click the desired menu.

Name	Description
Reboot	Reboot a certain student's PC.
Log off	Log off a certain student's PC.
Power Off	Shut down a certain student's PC.

Note

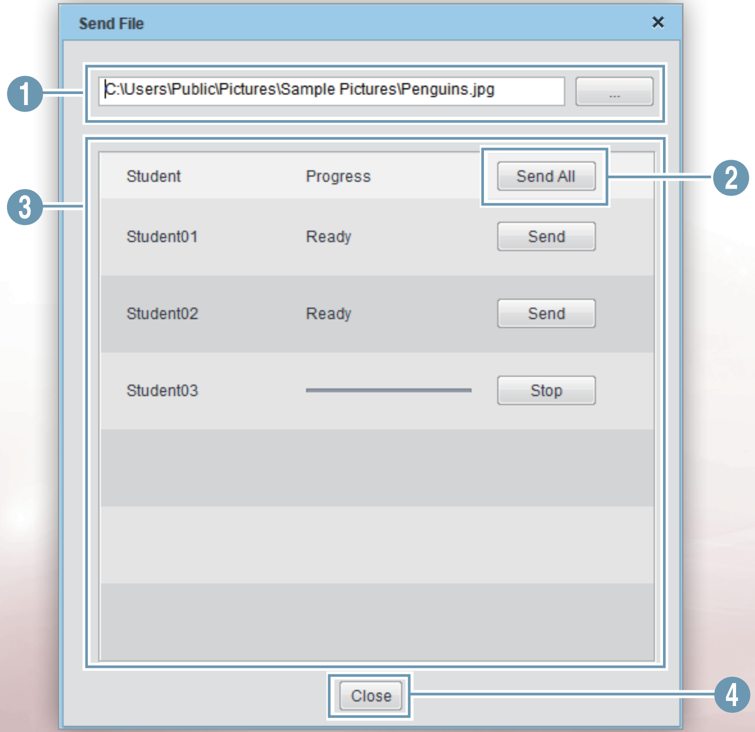
✓ The option is not available for a student that is attending a lesson using a tablet (iPad).

3-11

Data Sharing

Transmit data to or share video content with student devices. Run the desired applications on the student devices.

Send File


Send File
×
①
C:\Users\Public\Pictures\Sample Pictures\Penguins.jpg
...
②
③
Student
Progress
Send All
Student01
Ready
Send
Student02
Ready
Send
Student03
Stop
Close
④

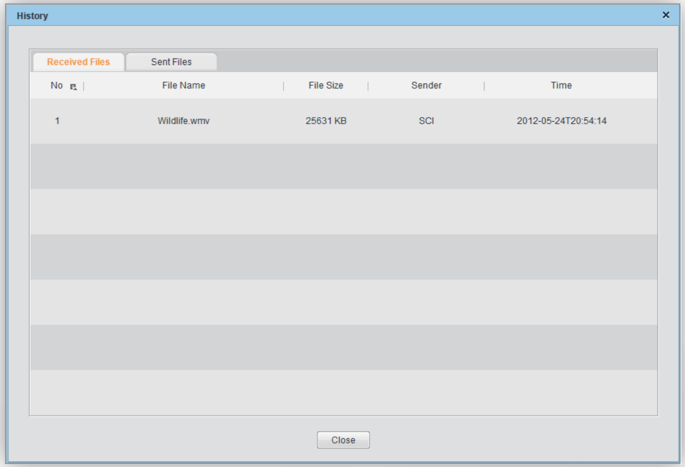
- Transfer a file to student devices.
- Select the desired student from the students online, then click **Send File**. The **Send File** screen will appear.
- A file transmitted to a student device will be saved to the folder "C:\Program Files\Samsung\Samsung Interactive Agent\Received file" file on the student device.

Num	Description
①	Enter the name of the file to transmit to student devices. Click <...> to browse and specify the file you want to transmit to the student devices.
②	Transmit the file to all the students on the list.
③	View the progress of a file transmission. Clicking **Stop** when **Progress** indicates a transmission being underway will stop the current file transmission. Click **Send** when **Progress** displays "Ready." The specified file will be transmitted to the selected student devices.
④	Close **Send File**.

History

- View the file transmission logs between the MagicIMS and student devices.
- To view the logs, click the **Share** tab, then select **History**.

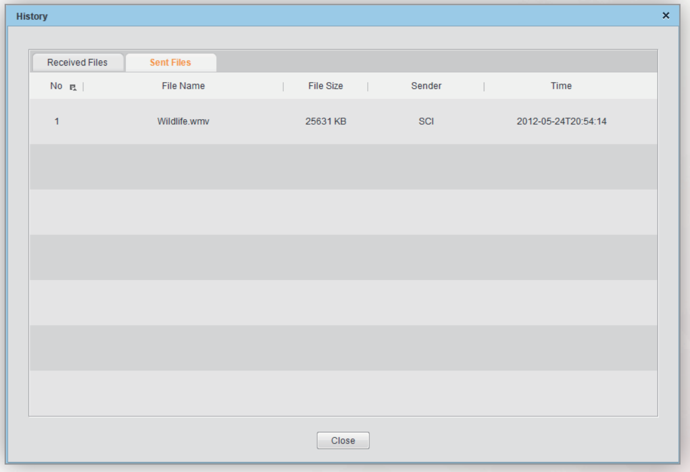
Received Files


History
Received Files
Sent Files
Close

No	File Name	File Size	Sender	Time
1	Wildlife.wmv	25631 KB	SCI	2012-05-24T20:54:14

View details of the files transmitted from student devices to the MagicIMS.

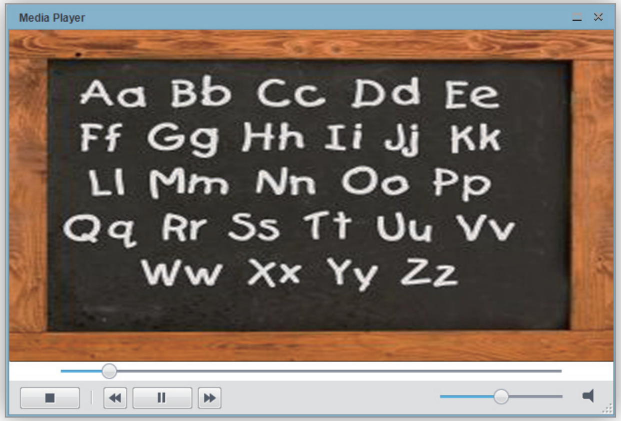
Sent Files


History
Received Files
Sent Files
Close

No	File Name	File Size	Sender	Time
1	Wildlife.wmv	25631 KB	SCI	2012-05-24T20:54:14

View details of the files transmitted from the MagicIMS to student devices.

Video Share



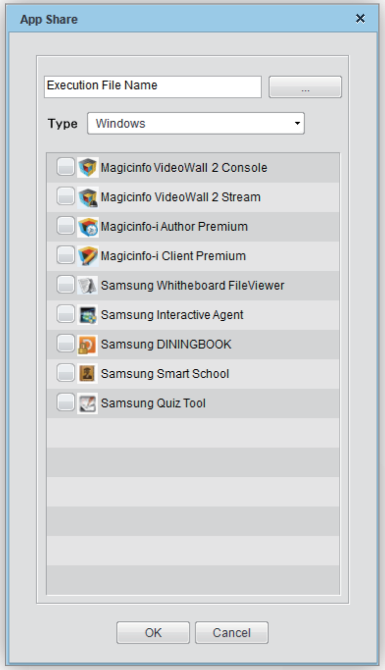
- Play a video on student devices.
- A video will be synchronized and played on the MagicIMS and all the selected student devices.
- Select the desired students from the students online, then click **Video Share**. The **Open** window will appear.
- Select the file to play, then click **Open**. The video file will play on the MagicIMS and student devices.
- Control a video using the video control toolbar in the MagicIMS screen.
- Note that the video control toolbar will not be available on student devices.

Note

✓ To play video content properly, the corresponding codec must be installed.

✓ When a student is attending a lesson using a tablet (iPad), video files that are compatible with both iOS and Windows can only be shared.

App Share



Execution File Name

Type: Windows

- ☐ Magicinfo VideoWall 2 Console
- ☐ Magicinfo VideoWall 2 Stream
- ☐ Magicinfo-i Author Premium
- ☐ Magicinfo-i Client Premium
- ☐ Samsung Whitheboard FileViewer
- ☐ Samsung Interactive Agent
- ☐ Samsung DININGBOOK
- ☐ Samsung Smart School
- ☐ Samsung Quiz Tool

- Run the desired applications on student devices.
- Select the desired students from the students online. Next, click **App Share**.
- A list of applications on the system (where MagicIMS is installed) is displayed.
- Select the type linked with MagicIMS Agent.
- To add an application to the list, click <...> to add the executable file of the desired application.
- Select the checkbox of the application to run, then click **OK**. The selected application will run on the student devices.

Note

✓ **App Share** is only applicable to the applications that are installed in the MagicIMS system. An application that is installed in the MagicIMS system and is not installed on student devices cannot run.

✓ The option is not available for a student that is attending a lesson using a tablet (iPad).

3-12

Taking a Poll or Exam

An online vote or exam is carried out in class.

The MagicIMS Quiz Tool program installs automatically when MagicIMS is installed. Create a poll file or an exam paper using the program. Conduct polls or exams using the **Vote** or **Exam** option in the **Tool** tab.

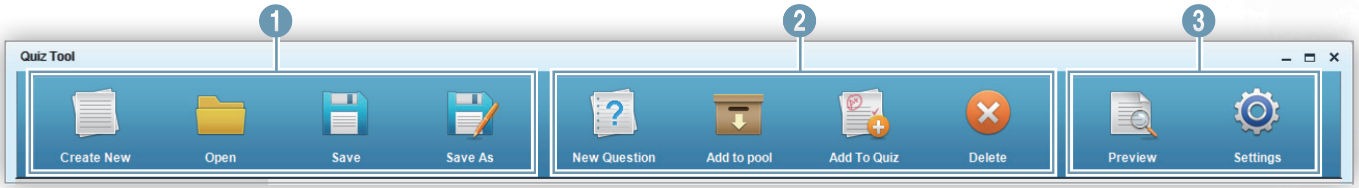
- If a vote or an exam starts, the corresponding screen will be displayed on student devices where the students can input data.
- After a poll or exam, the results are displayed.
- The outcome of a vote can be seen in real-time and the outcome of an exam can be seen upon completion.

Note

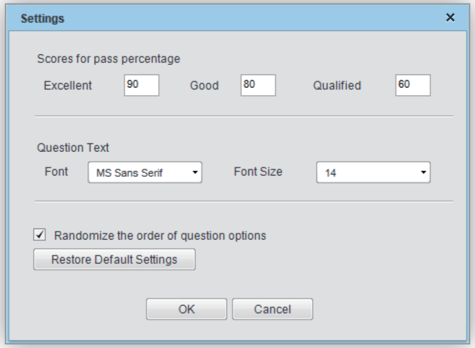
✓ The MagicIMS Quiz Tool language depends on the language set in MagicIMS. To change the MagicIMS Quiz Tool language, click **Tool** - **Settings** - **Language** in MagicIMS.

About MagicIMS Quiz Tool

MagicIMS Quiz Tool is an authoring tool used in MagicIMS to create question papers for conducting polls or exams.
On the PC, click **Start** - **All Programs** - **Samsung** - **MagicIMS** - **MagicIMS Quiz Tool**.

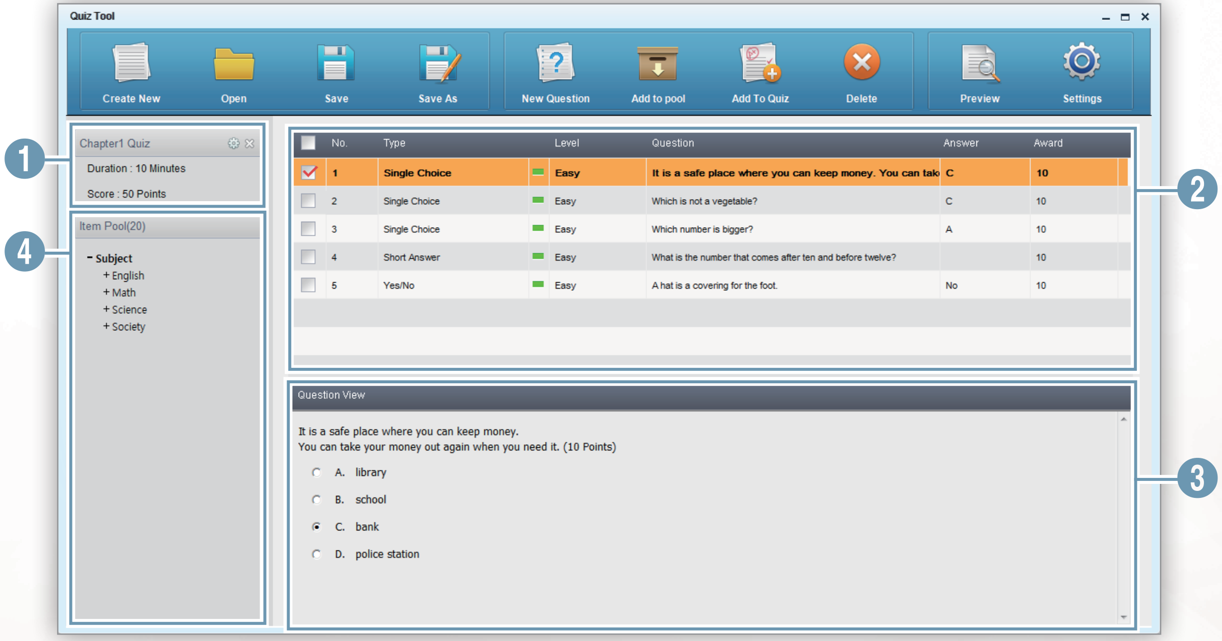

①
②
③
Quiz Tool
Create New
Open
Save
Save As
New Question
Add to pool
Add To Quiz
Delete
Preview
Settings

Num	Description
①	Create question papers using the following options. • **Create New**: Create a new question paper. • **Open**: Load a saved question paper. • **Save**: Save a created question paper. The file format is .sqt. • **Save As**: Save a question paper with another name. Note Created question papers are saved in C:\MagicBoardData\Quiz by default. To change the save location, go to **Tool** - **Settings** - **Vote/Exam** in MagicIMS and enter the desired location.

Num	Description
②	Create questions using the following options. • **New Question**: Create questions to add to a question paper. • **Add to pool**: Add the selected question to the items pool. • **Add To Quiz**: Add questions stored in the items pool to a question paper. • **Delete**: Delete the selected question from a question paper.
③	• **Preview**: Preview the question paper currently being created. • **Settings:** Set the range of passing scores and the font for the question paper. Select the **Randomize the order of question options** checkbox if you want to give an exam to students with the answers in random order. To reset the settings, click **Restore Default Settings**.  Settings Scores for pass percentage Excellent 90 Good 80 Qualified 60 Question Text Font MS Sans Serif Font Size 14 ☑ Randomize the order of question options

Question paper screen layout for MagicIMS Quiz Tool

The following shows the screen layout when a new question paper is created and a question is added using the MagicIMS Quiz Tool. Refer to "Creating a Poll/Exam Paper" for further details on creating a question paper and adding questions.



Chapter1 Quiz

Duration : 10 Minutes

Score : 50 Points

Item Pool(20)

- Subject
  - English
  - Math
  - Science
  - Society

☐	No.	Type		Level	Question	Answer	Award
☑	1	Single Choice	🟩	Easy	It is a safe place where you can keep money. You can tak	C	10
☐	2	Single Choice	🟩	Easy	Which is not a vegetable?	C	10
☐	3	Single Choice	🟩	Easy	Which number is bigger?	A	10
☐	4	Short Answer	🟩	Easy	What is the number that comes after ten and before twelve?		10
☐	5	Yes/No	🟩	Easy	A hat is a covering for the foot.	No	10

Question View

It is a safe place where you can keep money.
You can take your money out again when you need it. (10 Points)

○ A. library
○ B. school
● C. bank
○ D. police station

Num	Description
①	View the name of the question paper currently being created. To edit information that was entered when a question paper was created, click < ⚙ > next to the question paper name.

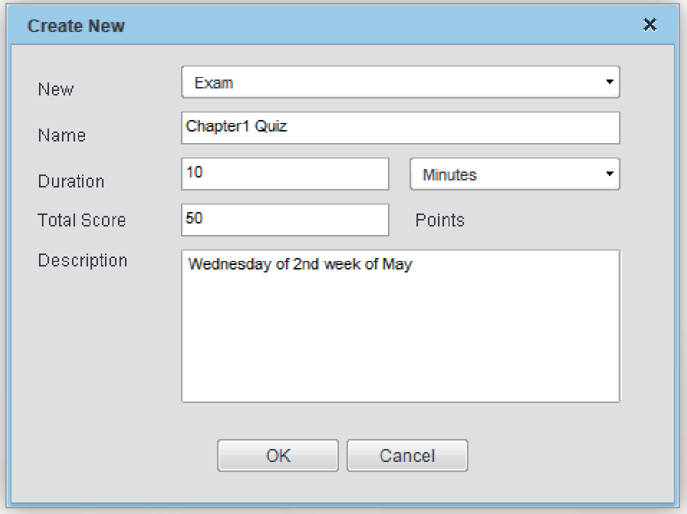
Num	Description
❷	A list of questions added to the current question paper is displayed. Select a question and right-click. Edit the question using the following context menu options. • **Add to pool**: Add the selected question to the items pool. • **Edit**: Edit the selected question. • **Delete**: Delete the selected question. • **Move Up** / **Move Down**: Change the order of the question in the list.
❸	View the content of the selected question.
❹	Store and manage questions using the items pool. Select an item and right-click. Edit the items pool using the following context menu options. • **Add To Quiz**: Add the question selected from the items pool to the question paper. • **Edit**: Edit the question selected from the items pool. • **Delete**: Delete the selected item from the items pool. • **Rename**: Change the selected subject name / question name.

Creating a Poll/Exam Paper

Click **Create New**, and then enter the question paper information. After entering the required information, click **OK**. A new question paper page appears.

Note

✓ After adding a new question to a question paper, make sure to click **Save** at the top of the page.



New: Exam

Name: Chapter1 Quiz

Duration: 10 Minutes

Total Score: 50 Points

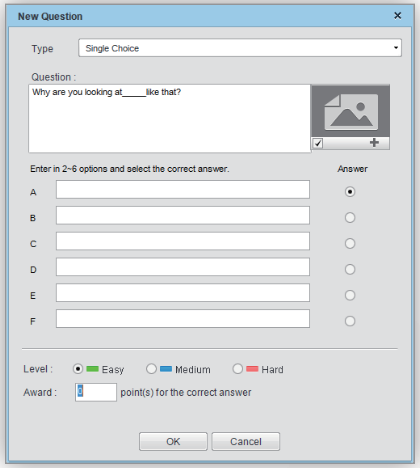
Description: Wednesday of 2nd week of May

Name	Description
New	Specify the question paper type. • **Exam**: Create a question paper to use for conducting an exam. • **Vote**: Create a question paper to use for conducting a poll.
Name	Enter the question paper name.
Duration	Set the duration of the poll/exam.
Total Score	Specify the total score. The option to specify the total score is disabled when **Vote** is selected as the question paper type.
Description	Enter a description of the new question paper.

Creating Questions

Click **New Question** to create and add a new question to a question paper. The display of the question creation page depends on the question paper type.

Creating an exam or poll question



Type: Single Choice

Question : Why are you looking at_____like that?

☑

Enter in 2~6 options and select the correct answer.

A ●
B ○
C ○
D ○
E ○
F ○

Level : ● 🟩 Easy ○ 🟦 Medium ○ 🟥 Hard

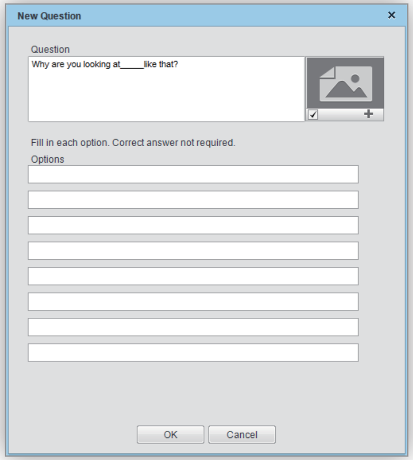
Award : 0 point(s) for the correct answer

- Select a question type from **Type**.
- Different options to enter details of a question appear depending on the selected question type.
- To add an image to the question, select the checkbox below <🖼>, and then click <+> to select the desired image.
- Specify the level of difficulty for the question and how many points the question shall be worth.
- Click **OK**. The created question is added to the list of questions.

Question type	Description
Single Choice / **Multiple Choice**	• The student selects the correct answer from a set of answers. • Select **Single Choice** to assign a single correct answer to a question. Select **Multiple Choice** to assign multiple correct answers to a question. • Enter answer choices, and then select the checkbox of the correct answer(s).
Ordering	• The student must arrange the answers in the correct order. • After entering the question, enter the answers in the correct order in the Correct Order field. • The exam is given to the student with the questions and answers in random order.

Question type	Description
Matching	• The student must match the correct answer to each question. • Enter questions in the Item fields and the correct answers in the Correct Matching fields in the proper order. • The exam is given to the student with the questions and answers in random order.
Numeric	• Select this option to create a short-answer question with a mathematical formula.
Short Answer	• Questions requiring short answers can be set. • Enter the correct answer. A student's answer is marked as correct automatically if the answer contains the entered word.
Descriptive Answer	• Select this option to create an essay type question that requires students to provide their own written answers. • The option to enter the correct answer is disabled in this mode. The teacher is required to grade papers manually after an exam.
Yes/No	• Select this option to create a question that requires students to answer with yes or no.
Fill in the Blank	• Select this option to create a short-answer question that requires students to fill in blanks. • Select the words to leave blank from a sentence, and then click **Mark**. The words set as blank will appear underlined in red in the question.

Creating a poll question



Question

Why are you looking at_____like that?

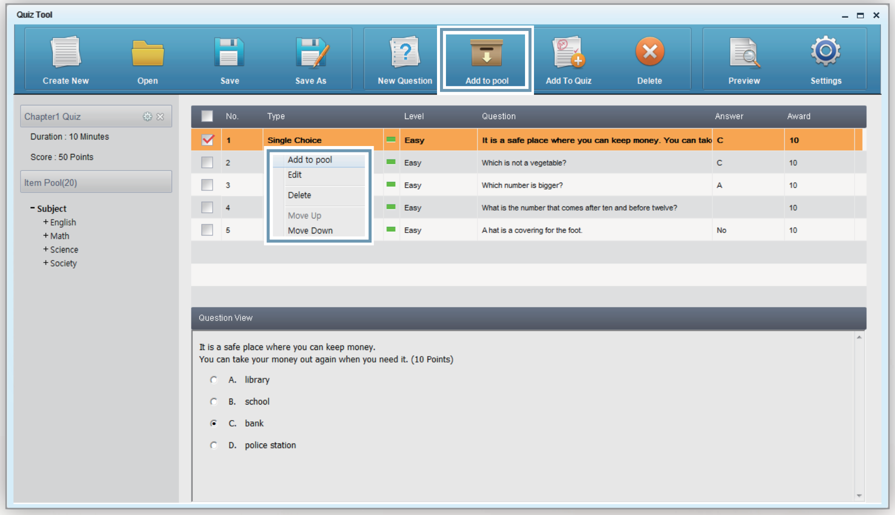
Fill in each option. Correct answer not required.

- Enter the question and choices.
- The option to enter the correct answer is not available for a poll question.
- To add an image to the question, select the checkbox below <🖼>, and then click <+> to select the desired image.
- Click **OK**. The created question is added to the list of questions.

Storing Questions / Loading Stored Questions

The items pool is an archive where you can store questions by type. Store questions in the items pool and use the questions as desired when creating a new exam or poll paper.

Storing questions in the items pool


Quiz Tool
Create New
Open
Save
Save As
New Question
Add to pool
Add To Quiz
Delete
Preview
Settings
Chapter1 Quiz
Item Pool(20)
- Subject
+ English
+ Math
+ Science
+ Society
Add to pool
Edit
Delete
Move Up
Move Down
Question View

Duration : 10 Minutes

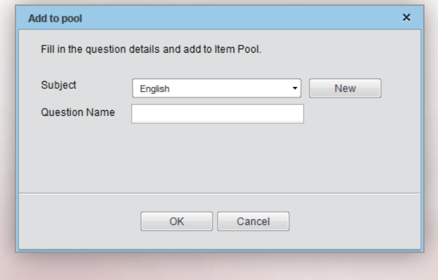
Score : 50 Points

☐	No.	Type	Level	Question	Answer	Award
☑	1	Single Choice	Easy	It is a safe place where you can keep money. You can tak	C	10
☐	2		Easy	Which is not a vegetable?	C	10
☐	3		Easy	Which number is bigger?	A	10
☐	4		Easy	What is the number that comes after ten and before twelve?		10
☐	5		Easy	A hat is a covering for the foot.	No	10

It is a safe place where you can keep money.
You can take your money out again when you need it. (10 Points)

○ A. library
○ B. school
● C. bank
○ D. police station

- Select a question from the list of questions.
- Click **Add to pool** at the top of the page.
  Alternatively, right-click on the selected question and select **Add to pool**.


Add to pool
New
OK
Cancel

Fill in the question details and add to Item Pool.

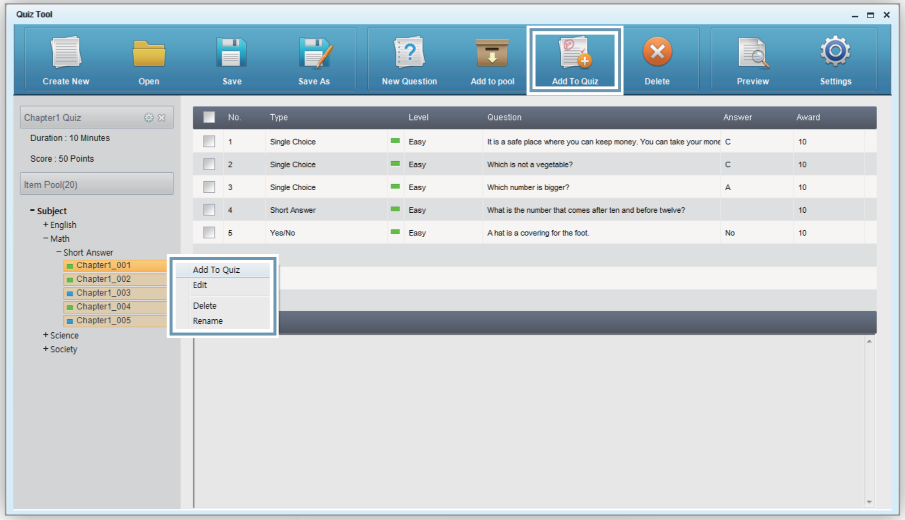
Subject: English

Question Name:

- Specify the **Subject** and **Question Name** to sort questions more conveniently in the items pool. Click **New** to create a subject to sort questions by in the items pool. The option to enter the subject name is not available for a poll.
- Click **OK** to add the question to the items pool.

Loading questions from the items pool

Questions in the items pool are stored by subject and type as shown in the following image. Add questions to a question paper as desired.


Quiz Tool
Create New
Open
Save
Save As
New Question
Add to pool
Add To Quiz
Delete
Preview
Settings
Chapter1 Quiz
Item Pool(20)
Subject
English
Math
Short Answer
Chapter1_001
Chapter1_002
Chapter1_003
Chapter1_004
Chapter1_005
Science
Society
Add To Quiz
Edit
Delete
Rename

Duration : 10 Minutes

Score : 50 Points

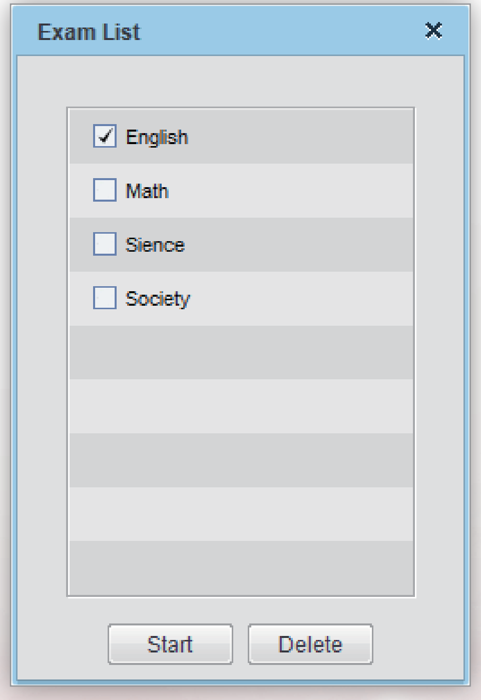
☐	No.	Type	Level	Question	Answer	Award
☐	1	Single Choice	🟩 Easy	It is a safe place where you can keep money. You can take your mone	C	10
☐	2	Single Choice	🟩 Easy	Which is not a vegetable?	C	10
☐	3	Single Choice	🟩 Easy	Which number is bigger?	A	10
☐	4	Short Answer	🟩 Easy	What is the number that comes after ten and before twelve?		10
☐	5	Yes/No	🟩 Easy	A hat is a covering for the foot.	No	10

- Select a question from the items pool.
- Click **Add To Quiz** at the top of the page.
  Alternatively, right-click on the selected question and select **Add To Quiz**.

Taking a Poll / Exam

Load a question paper that was created using the MagicIMS Quiz Tool to conduct an online poll or exam during a lesson.

Exam Question/Poll Selection

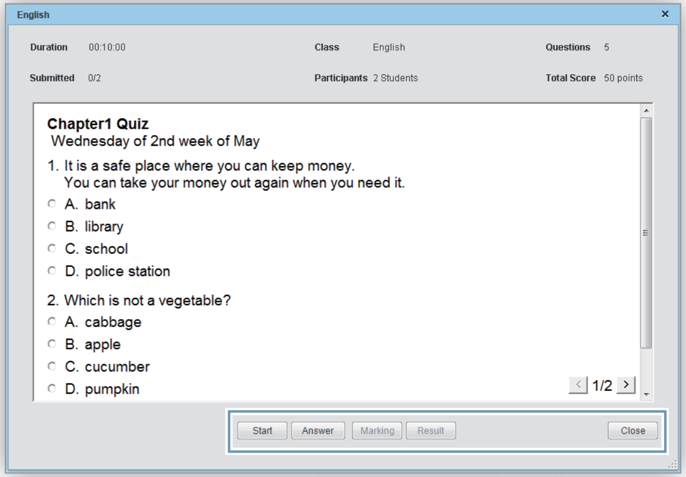


- Select a lesson and students from MagicIMS.
- Click the **Tool** tab, and then select **Vote** or **Exam**.
- Question papers from the archive are displayed in the list of polls or exams.
- Select a question paper to use and click **Start**.

Note

✓ If the desired question paper is not found in the list, move the question paper file (*.sqt) to the folder specified in **Tool** - **Settings** - **Vote**/**Exam**.

Test / Voting control page



Duration 00:10:00
Class English
Questions 5
Submitted 0/2
Participants 2 Students
Total Score 50 points

Chapter1 Quiz
Wednesday of 2nd week of May

1. It is a safe place where you can keep money.
You can take your money out again when you need it.
○ A. bank
○ B. library
○ C. school
○ D. police station

2. Which is not a vegetable?
○ A. cabbage
○ B. apple
○ C. cucumber
○ D. pumpkin

- When the question paper page appears, click **Start**. The exam question page is displayed on the monitors of the students. The students can start taking the exam.
- The teacher can stop a poll or exam halfway by clicking **Close**.
- After all students are finished with their poll or exam, a message indicating completion will appear on the teacher's monitor.
- After an exam is complete, the teacher can view answer sheets from the students and the poll/exam results by clicking **Result**.

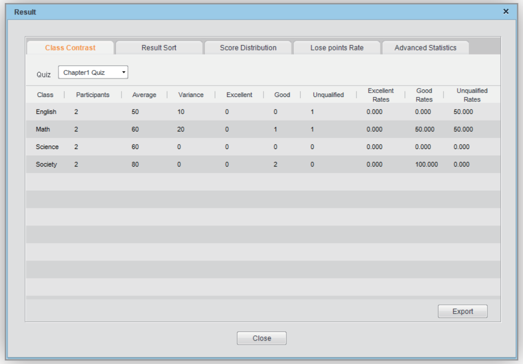
Note

✓ For an exam that requires a descriptive answer, the teacher is required to read and grade answers manually. After an exam that requires a descriptive answer, click **Marking** to grade answer sheets.

Viewing Poll and Exam Results

Go to the **Tool** tab and click **Result** in MagicIMS to view the analysis of all the poll and exam results.

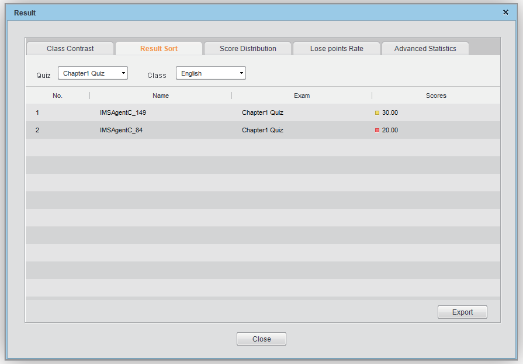
Viewing exam results

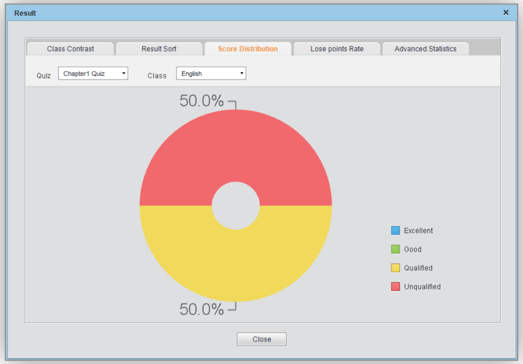
Result tab	Description
Class Contrast	 • Compare exam results by class. • Click **Export** at the bottom and export comparison results as an Excel file.

Result
Class Contrast
Result Sort
Score Distribution
Lose points Rate
Advanced Statistics
Export
Close

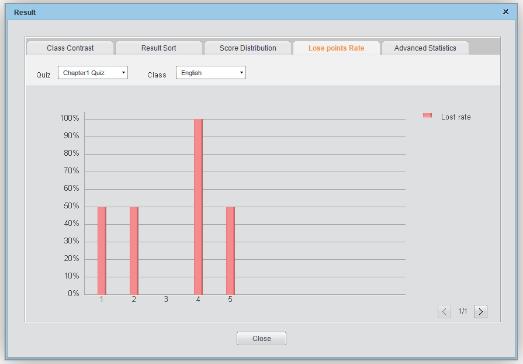
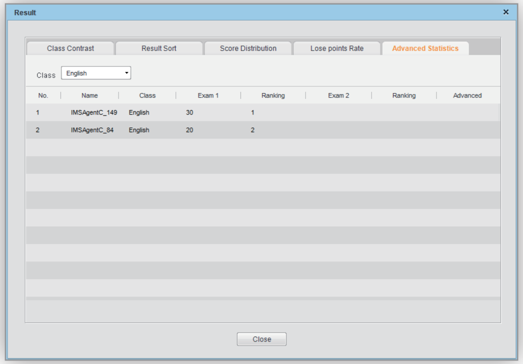
Quiz Chapter1 Quiz

Class	Participants	Average	Variance	Excellent	Good	Unqualified	Excellent Rates	Good Rates	Unqualified Rates
English	2	50	10	0	0	1	0.000	0.000	50.000
Math	2	60	20	0	1	1	0.000	50.000	50.000
Science	2	60	0	0	0	0	0.000	0.000	0.000
Society	2	80	0	0	2	0	0.000	100.000	0.000

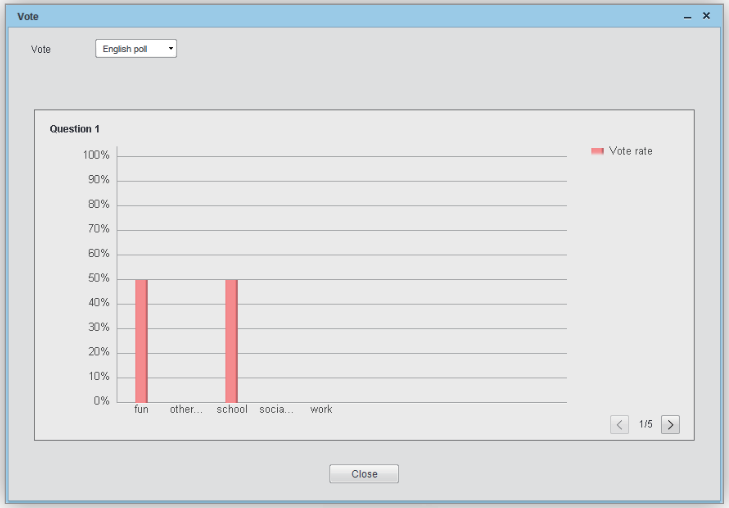
<table>
<tr><th>Result tab</th><th>Description</th></tr>
<tr><td>Result Sort</td><td>
Result
Class Contrast
Result Sort
Score Distribution
Lose points Rate
Advanced Statistics
Export
Close
Quiz: Chapter1 Quiz
Class: English
<table>
<tr><th>No.</th><th>Name</th><th>Exam</th><th>Scores</th></tr>
<tr><td>1</td><td>IMSAgentC_149</td><td>Chapter1 Quiz</td><td>🟨 30.00</td></tr>
<tr><td>2</td><td>IMSAgentC_84</td><td>Chapter1 Quiz</td><td>🟥 20.00</td></tr>
</table>

- View rankings by student for the selected exam.
- Click **Export** at the bottom and export a list of rankings as an Excel file.
</td></tr>
<tr><td>Score Distribution</td><td>
Result
Class Contrast
Result Sort
Score Distribution
Lose points Rate
Advanced Statistics
50.0%
50.0%
Excellent
Good
Qualified
Unqualified
Close
Quiz: Chapter1 Quiz
Class: English

View the distribution of scores as a graph for the selected exam.
</td></tr>
</table>

<table>
<tr><th>Result tab</th><th>Description</th></tr>
<tr><td>Lose points Rate</td><td>

Result
Class Contrast
Result Sort
Score Distribution
Lose points Rate
Advanced Statistics
Lost rate
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
1
2
3
4
5
1/1
Close
Quiz: Chapter1 Quiz
Class: English
View the wrong answer rate for each question.
</td></tr>
<tr><td>Advanced Statistics</td><td>

Result
Class Contrast
Result Sort
Score Distribution
Lose points Rate
Advanced Statistics
Close
Class: English
<table>
<tr><th>No.</th><th>Name</th><th>Class</th><th>Exam 1</th><th>Ranking</th><th>Exam 2</th><th>Ranking</th><th>Advanced</th></tr>
<tr><td>1</td><td>IMSAgentC_149</td><td>English</td><td>30</td><td>1</td><td></td><td></td><td></td></tr>
<tr><td>2</td><td>IMSAgentC_84</td><td>English</td><td>20</td><td>2</td><td></td><td></td><td></td></tr>
</table>
View general exam results by student.
</td></tr>
</table>

Viewing poll results



Vote

Vote: English poll

Question 1
Vote rate
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
fun
other...
school
socia...
work
1/5
Close

- Select a poll question paper. The poll results will appear.
- View poll results by item for each question.

04

Attending a Class (MagicIMS Agent for Windows)

4-1

What is MagicIMS Agent?

If the MagicIMS Agent is installed on a student's PC, the student can join a class opened on the MagicIMS. The student's PC will interact with the Interactive Whiteboard to display the screen of the Interactive Whiteboard.

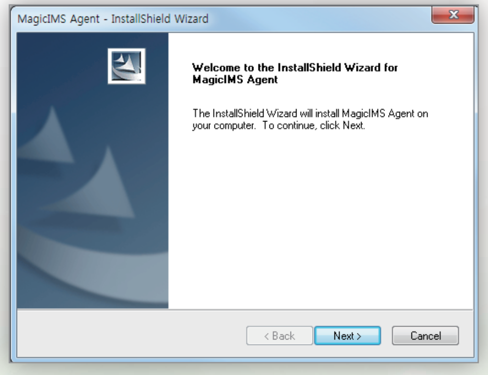
4-2

Installing

Note

✓ Samsung Electronics shall not be liable for any problem caused by the user's installation or use of software that is not displayed in the Interactive Whiteboard software screen when running the Interactive Whiteboard software for the first time.

1.



MagicIMS Agent - InstallShield Wizard

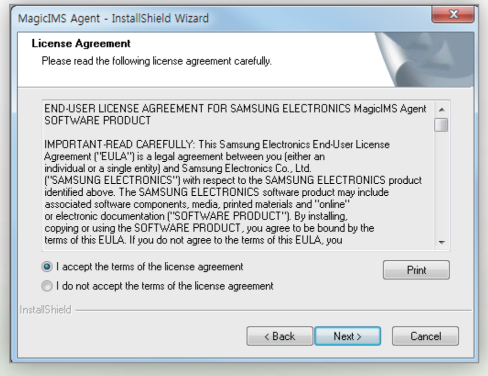
Welcome to the InstallShield Wizard for MagicIMS Agent

The InstallShield Wizard will install MagicIMS Agent on your computer. To continue, click Next.

Run the install file to initiate the program installation process.

Click **Next**.

2.



MagicIMS Agent - InstallShield Wizard

License Agreement

Please read the following license agreement carefully.

END-USER LICENSE AGREEMENT FOR SAMSUNG ELECTRONICS MagicIMS Agent SOFTWARE PRODUCT

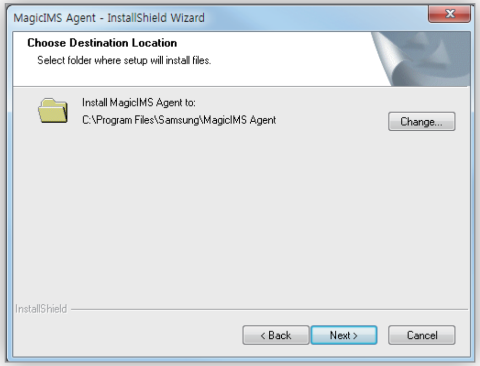
IMPORTANT-READ CAREFULLY: This Samsung Electronics End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. ("SAMSUNG ELECTRONICS") with respect to the SAMSUNG ELECTRONICS product identified above. The SAMSUNG ELECTRONICS software product may include associated software components, media, printed materials and "online" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying or using the SOFTWARE PRODUCT, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this EULA, you

● I accept the terms of the license agreement

○ I do not accept the terms of the license agreement

Accept the license agreement and click **Next**.

3.


MagicIMS Agent - InstallShield Wizard
Change...
InstallShield
< Back
Next >
Cancel

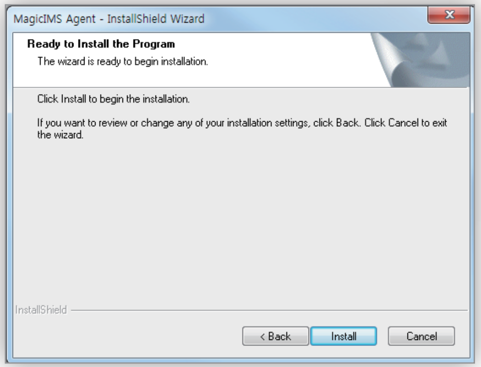
Choose Destination Location

Select folder where setup will install files.

Install MagicIMS Agent to:
C:\Program Files\Samsung\MagicIMS Agent

Select a folder in which to install the software and click **Next**.

4.


MagicIMS Agent - InstallShield Wizard
InstallShield
< Back
Install
Cancel

Ready to Install the Program

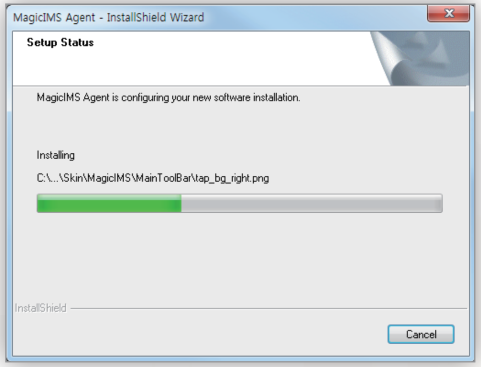
The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

Click **Install** to start installation.

5.


MagicIMS Agent - InstallShield Wizard
InstallShield
Cancel

Setup Status

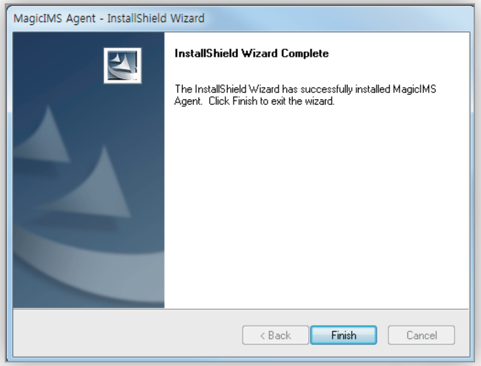
MagicIMS Agent is configuring your new software installation.

Installing

C:\...\Skin\MagicIMS\MainToolBar\tap_bg_right.png

The installation will proceed.

6.


MagicIMS Agent - InstallShield Wizard
< Back
Finish
Cancel

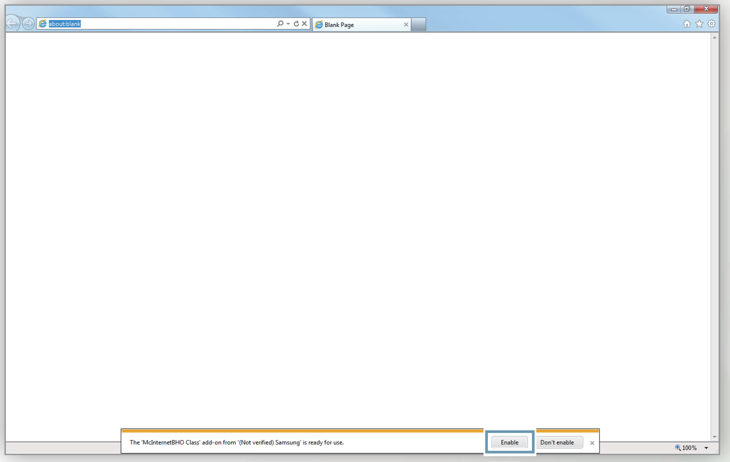
InstallShield Wizard Complete

The InstallShield Wizard has successfully installed MagicIMS Agent. Click Finish to exit the wizard.

When you click **Finish**, the installation will be completed.

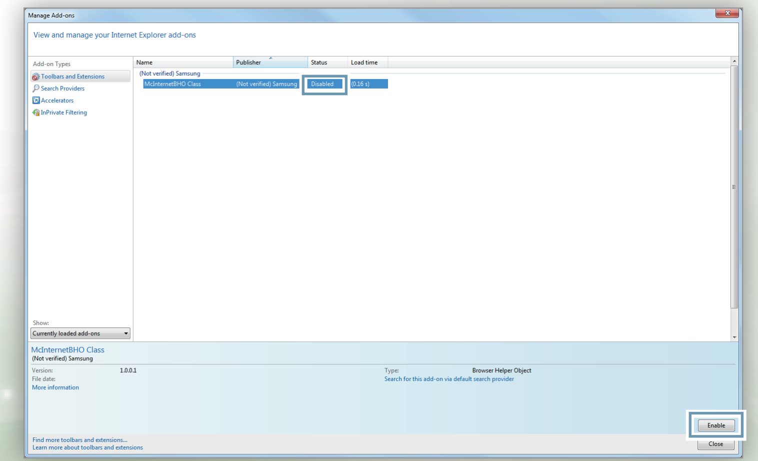
Configuring Internet Explorer

If the message in the image appears when launching Internet Explorer after installing MagicIMS Agent (for Windows), click **Enable**.


about:blank
Blank Page
Enable
Don't enable
100%

The 'McInternetBHO Class' add-on from '(Not verified) Samsung' is ready for use.

Alternatively, from the Internet Explorer menu bar, click **Tools** → **Internet options** → **Programs** → **Manage add-ons** → **Toolbars and Extensions**. Select McInternetBHO Class and change Status to Enabled.


Manage Add-ons
View and manage your Internet Explorer add-ons
Add-on Types
Toolbars and Extensions
Search Providers
Accelerators
InPrivate Filtering
Show:
Currently loaded add-ons
Find more toolbars and extensions...
Learn more about toolbars and extensions
More information
Search for this add-on via default search provider
Enable
Close

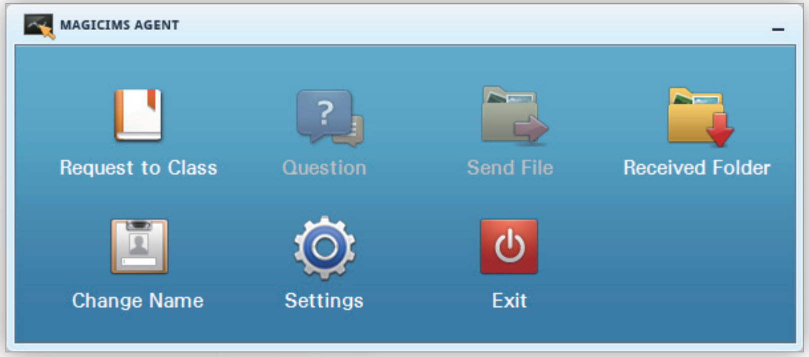
Name	Publisher	Status	Load time
(Not verified) Samsung			
McInternetBHO Class	(Not verified) Samsung	Disabled	(0.16 s)

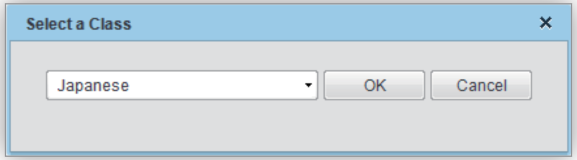
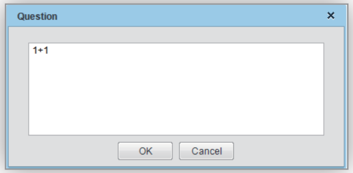
McInternetBHO Class
(Not verified) Samsung
Version: 1.0.0.1
File date:
Type: Browser Helper Object

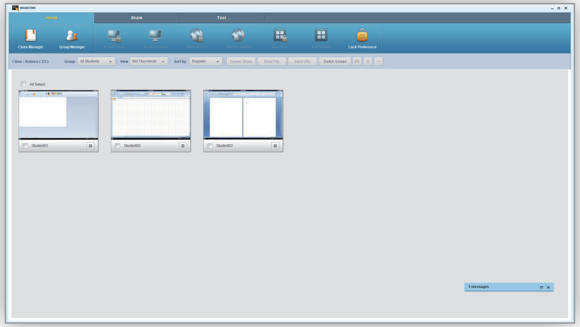
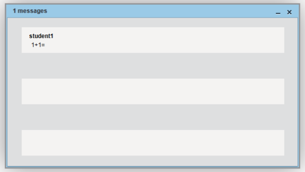
4-3

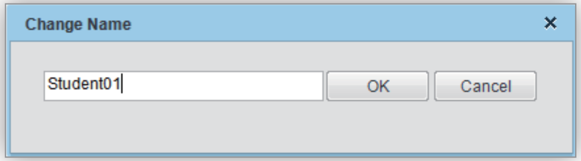
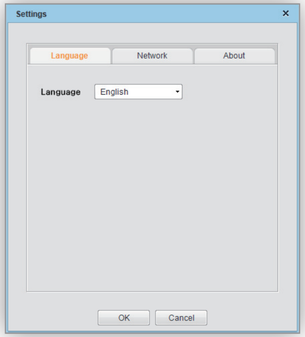
Using Student PCs

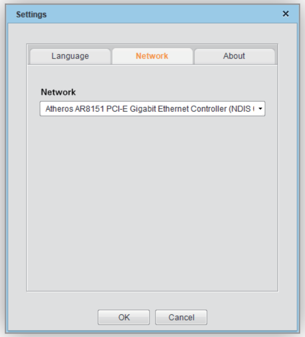
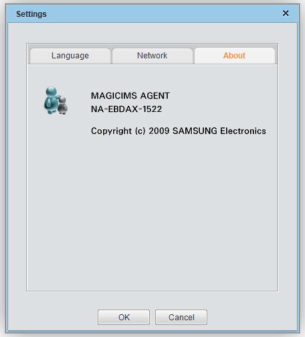
If you execute MagicIMS Agent, the screen will appear as follows.


MAGICIMS AGENT
Request to Class
Question
Send File
Received Folder
Change Name
Settings
Exit

Name	Description
Request to Class	Select a class to attend. If the list of classes available to attend appears, select a class to join from the list.  Select a Class Japanese OK Cancel
Question	Send a question to the MagicIMS. Enter questions in the **Question** window, and click **OK**.  Question 1+1 OK Cancel

Name	Description
Question	A message will appear informing that the student has transmitted questions at the bottom right of the MagicIMS screen.  To view the student's questions, click the message.  1 messages student1 1+1= Note If the student is not on line for the current class, this menu will become inactive.
Send File	Send a file to the MagicIMS for the current class. Clicking this button will display the file browser window, from which a file can be selected and transmitted immediately. Note If the student is not on line for the current class, this menu will become inactive.

Name	Description
Received Folder	Open the folder where incoming files are saved.
Change Name	Change the name of a student.  Change Name OK Cancel Student01
Settings - Language	Select the language to use on the MagicIMS Agent.  Settings Language Network About OK Cancel Language English

Name	Description
Settings - Network	If there is more than one network device, select the network device you want to use from the MagicIMS Agent.  Settings Language Network About OK Cancel Network Atheros AR8151 PCI-E Gigabit Ethernet Controller (NDIS (
Settings - About	MagicIMS Agent version information is displayed.  Settings Language Network About OK Cancel MAGICIMS AGENT NA-EBDAX-1522 Copyright (c) 2009 SAMSUNG Electronics
Exit	Exit the MagicIMS Agent.

Attending a Class (MagicIMS Agent for iOS)

05

5-1

About MagicIMS Agent (for iOS)

MagicIMS Agent (for iOS) is an application that allows students using tablets (iPad) to attend a lesson launched in MagicIMS.

Students can interact with the Interactive Whiteboard and view the display of the Interactive Whiteboard using their tablets (iPad).

5-2

Installing

Required components before installing the MagicIMS Agent (for iOS)

The following components are required in order to install the MagicIMS Agent (for iOS).

Components	Requirements
Compatible devices	Apple iPad 1, 2, 3
Supported network environments	Wireless LAN / AP
Supported operating system	iOS 5.1.1 or higher

Installing the MagicIMS Agent (for iOS)

MagicIMS Agent can be conveniently downloaded and installed from App Store.

Launch App Store from the tablet (iPad). Next, enter MagicIMS Agent in the keyword input field.

Install the MagicIMS Agent retrieved from search.

Note

✓ To purchase the application from App Store, an ID and Internet access are required. Refer to the iPad user manual for further details on how to install the application from App Store.

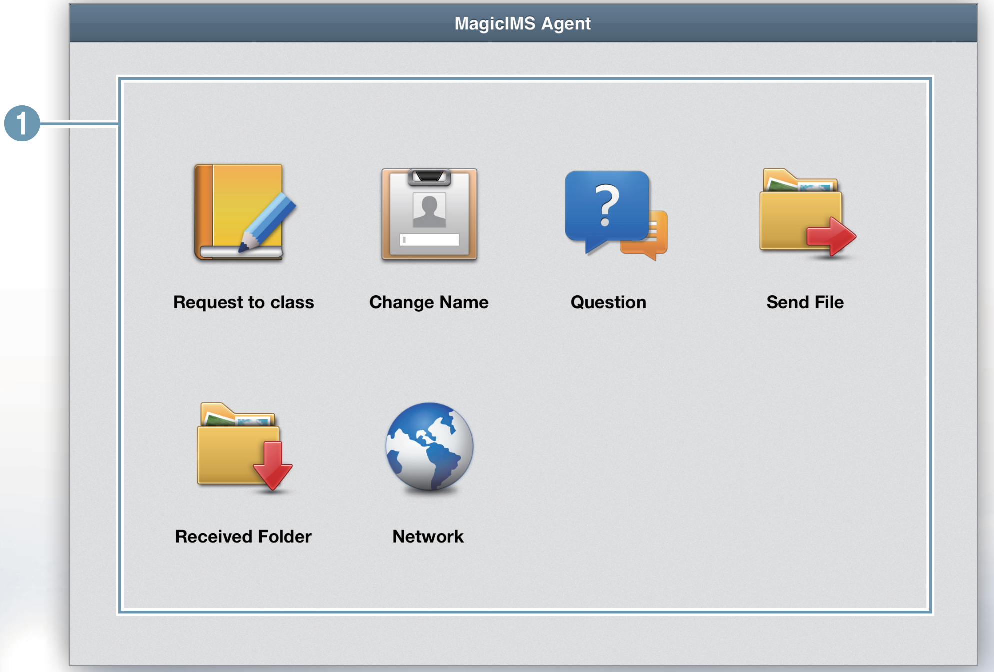
5-3

Using Student Tablets

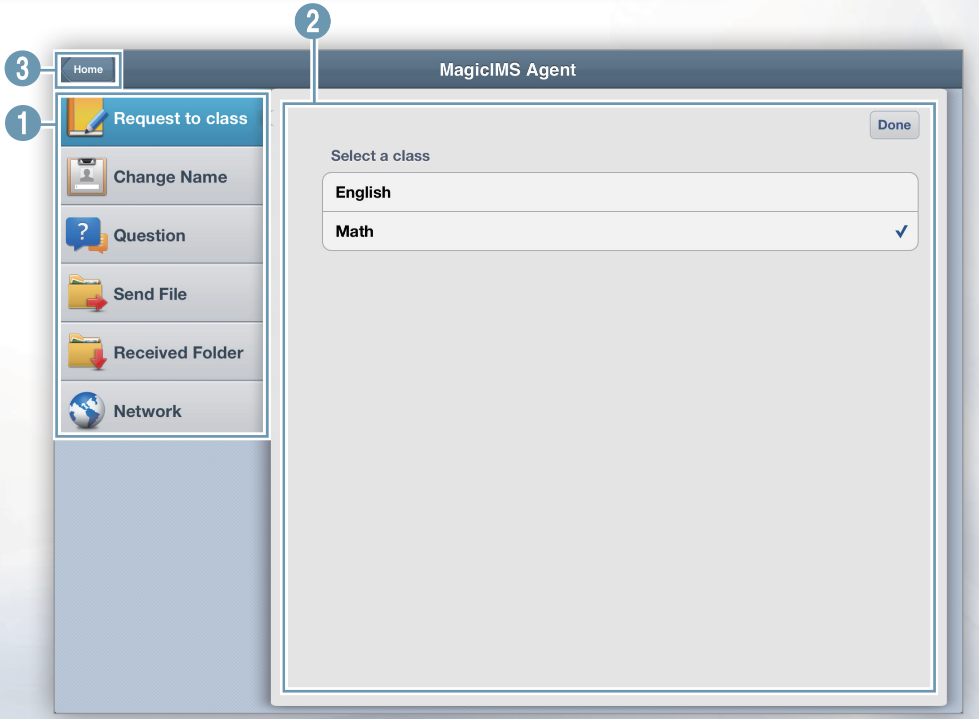
Launch the MagicIMS Agent. The following page appears. Basic instructions on how to use the application are the same as for Windows.

Note

✓ Tapping the Home button on the tablet (iPad) or launching another application will disconnect the tablet from MagicIMS.



MagicIMS Agent
①
Request to class
Change Name
Question
Send File
Received Folder
Network



②
③
Home
MagicIMS Agent
①
Request to class
Change Name
Question
Send File
Received Folder
Network
Done

Select a class

English

Math ✓

Num	Name	Description
①	**Request to class**	Select a class to attend. If the list of classes available to attend appears, select a class to join from the list.
	Change Name	Change the name of a student.
	Question	Send questions to MagicIMS. Enter a question and tap **Send**. MagicIMS A message will appear informing that the student has transmitted questions at the bottom right of the screen. Tap the message to display the question from the student. Note This option is only available during a lesson.
	Send File	Send a file to the MagicIMS connected to the lesson you are currently attending. Note This option is only available during a lesson.
	Received Folder	View files transmitted from MagicIMS. To execute a file, tap the file.
	Network	View the current network settings. Note Refer to the iPad user manual for details on how to configure the network settings.

Num	Name	Description
❷	**Details pane**	View details of the selected option.
❸	**Home button**	Go to the Home screen of MagicIMS Agent.

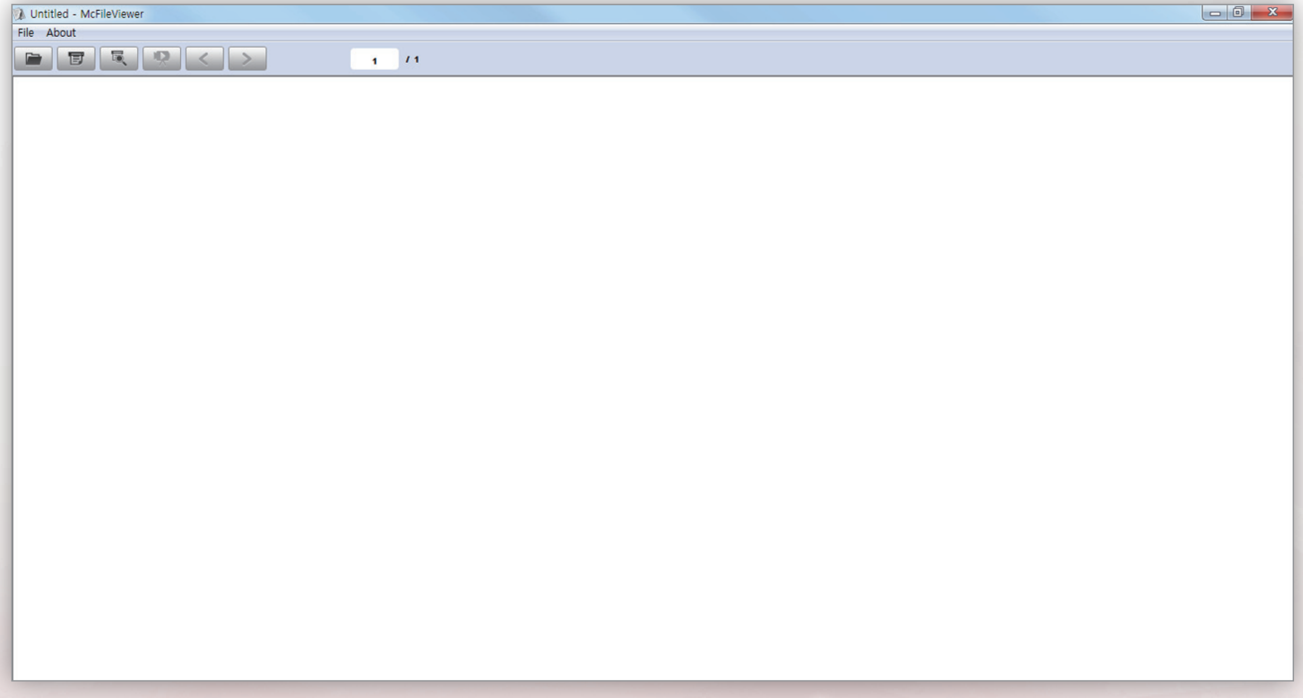
06

Document Management on the Interactive Whiteboard (MagicIWB FileViewer)

6-1

What is MagicIWB FileViewer?

A document (file format: *.ebd) created using the Interactive Whiteboard can be read and printed through MagicIWB FileViewer.


Untitled - McFileViewer
File
About
1
/ 1

6-2

Installing

Requirements to Install MagicIWB FileViewer

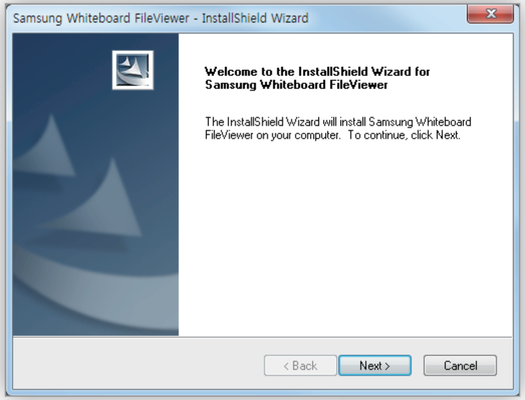
Note

✓ Samsung Electronics shall not be liable for any problem caused by the user's installation or use of software that is not displayed in the Interactive Whiteboard software screen when running the Interactive Whiteboard software for the first time.

Components	Requirements
Operating system	Windows 7, Windows 8

MagicIWB FileViewer Installing

1.


Samsung Whiteboard FileViewer - InstallShield Wizard
< Back
Next >
Cancel

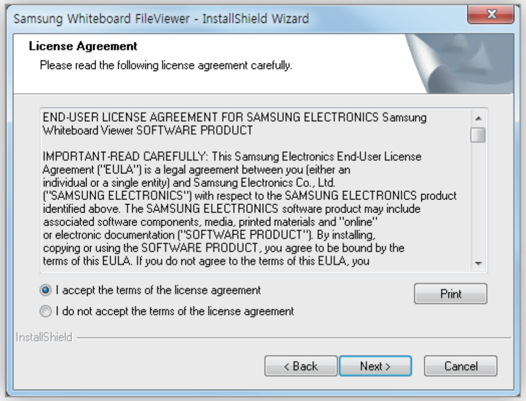
Welcome to the InstallShield Wizard for Samsung Whiteboard FileViewer

The InstallShield Wizard will install Samsung Whiteboard FileViewer on your computer. To continue, click Next.

Run the install file to initiate the program installation process.

Click **Next**.

2.


Samsung Whiteboard FileViewer - InstallShield Wizard
Print
InstallShield
< Back
Next >
Cancel

License Agreement

Please read the following license agreement carefully.

END-USER LICENSE AGREEMENT FOR SAMSUNG ELECTRONICS Samsung Whiteboard Viewer SOFTWARE PRODUCT

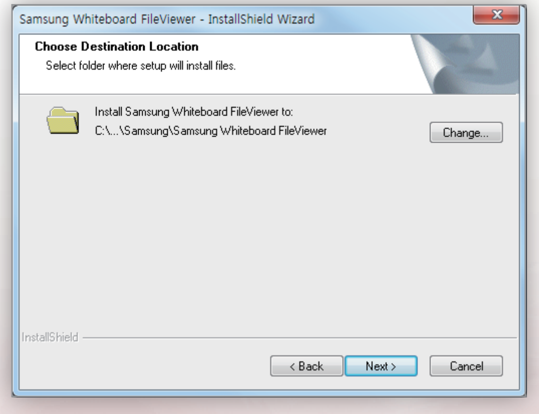
IMPORTANT-READ CAREFULLY: This Samsung Electronics End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. ("SAMSUNG ELECTRONICS") with respect to the SAMSUNG ELECTRONICS product identified above. The SAMSUNG ELECTRONICS software product may include associated software components, media, printed materials and "online" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying or using the SOFTWARE PRODUCT, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this EULA, you

● I accept the terms of the license agreement

○ I do not accept the terms of the license agreement

Accept the license agreement and click **Next**.

3.


Samsung Whiteboard FileViewer - InstallShield Wizard
Change...
InstallShield
< Back
Next >
Cancel

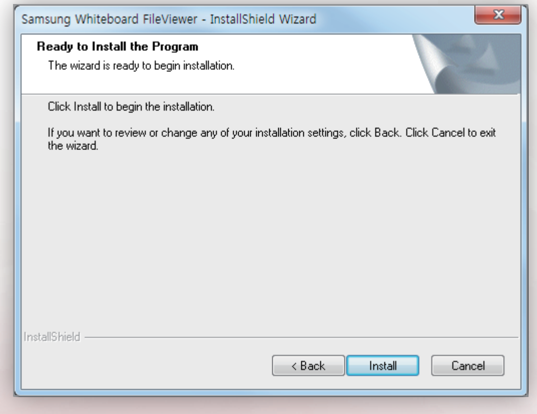
Choose Destination Location

Select folder where setup will install files.

Install Samsung Whiteboard FileViewer to:
C:\...\Samsung\Samsung Whiteboard FileViewer

Select a folder in which to install the software and click **Next**.

4.


Samsung Whiteboard FileViewer - InstallShield Wizard
InstallShield
< Back
Install
Cancel

Ready to Install the Program

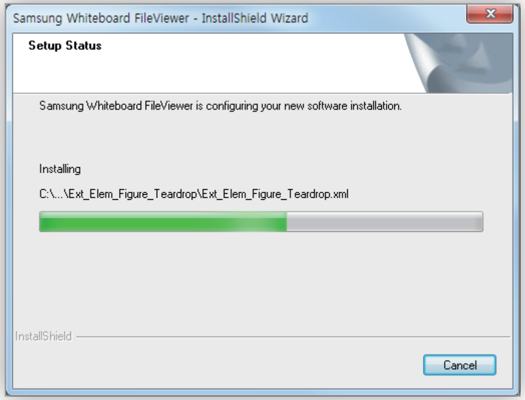
The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

Click **Install** to start installation.

5.



Samsung Whiteboard FileViewer - InstallShield Wizard

Setup Status

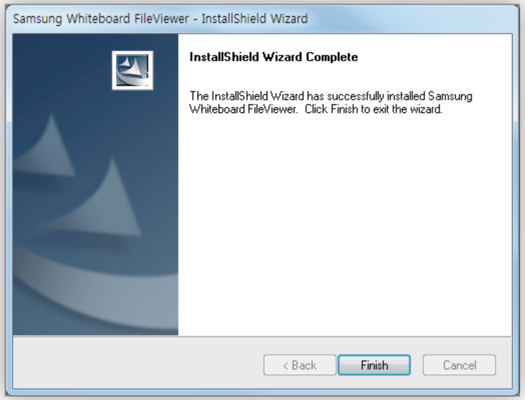
Samsung Whiteboard FileViewer is configuring your new software installation.

Installing

C:\...\Ext_Elem_Figure_Teardrop\Ext_Elem_Figure_Teardrop.xml

The installation will proceed.

6.



Samsung Whiteboard FileViewer - InstallShield Wizard

InstallShield Wizard Complete

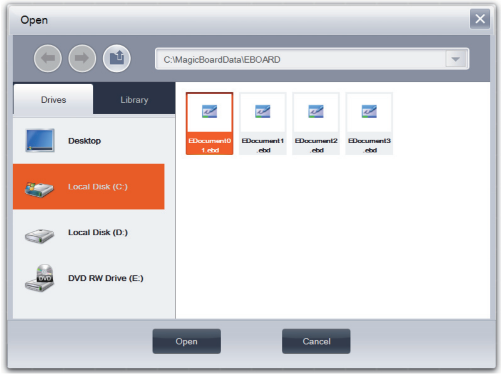
The InstallShield Wizard has successfully installed Samsung Whiteboard FileViewer. Click Finish to exit the wizard.

When you click **Finish**, the installation will be completed.

6-3

Menu Bar

File

Name	Description
Open	A file (*.ebd) created on the Interactive Whiteboard can be opened.  C:\MagicBoardData\EBOARD Open Drives Library Desktop Local Disk (C:) Local Disk (D:) DVD RW Drive (E:) EDocument01.ebd EDocument1.ebd EDocument2.ebd EDocument3.ebd Open Cancel
Print	The Interactive Whiteboard document currently open in the program is printed.
Print Preview	The document to print can be previewed.

Name	Description
Language	Program language is selected.
Exit	Program is shut down.

About

Name	Description
About	Program version information is displayed.

6-4

Icon Functions

Icon	Description
Event Recording	Any event recording data in the Interactive Whiteboard document currently running is played. Note For further details on event recording, refer to the "Event Recording" section.
Previous/Next Page < >	If the Interactive Whiteboard document currently running comprises more than 2 pages, these buttons can be used to change pages.
Current Page 1 / 2	Current page/total pages is displayed.

Troubleshooting

Common Questions	Answer
I want to use dual monitors with the Interactive Whiteboard.	Set the Interactive Whiteboard monitor as the **Default Monitor**.
MagicIMS cannot run due to a license verification failure.	Run your Interactive Whiteboard, then go to **Settings** - **MagicIMS Settings** window. Next, enter the IP address of the PC (where MagicIMS is installed) in the **Server IP** input field.
The MagicIMS cannot be connected to a student's PC.	Check that the network connection between the MagicIMS and the student's PC is correct. If the MagicIMS or the student's PC contains more than one network card, go to **Settings** on the MagicIMS or **Settings** - **Network** on the MagicIMS Agent. Next, select the correct network card. If the message "Allow exceptions for Firewall" appears when the MagicIMS or MagicIMS Agent runs for the first time, select **Unblock** and allow the firewall exception. If you are using an anti-virus program, disable the appropriate firewall or close the program. Check that the MagicIMS or MagicIMS Agent program is the latest version. Add the exception for ICMP echo request in Windows Firewall settings. Refer to the section "Settings according to the Operating System" for further details on adding the exception for ICMP echo request. Check that the folder MagicboardData in C:\ or D:\ contains the files MagicClassroom.db and MagicBoard.ini. If it doesn't, reinstall the program.

Common Questions	Answer
MagicIMS does not appear to connect properly to any student PC. When it is connected, it does not work properly.	Check if the MagicIMS and MagicIMS Agent are running on a single computer. If so, shut down one of the two programs.
When MagicIMS Agent is run from a student's PC, an initialization failure message appears.	Check that the network connection and settings are correct.
Content is not playing properly.	Check that the codec for the content is installed properly.
I want to view a captured screenshot or a transmitted file.	MagicIMS • **Capture**: You can find a screen-captured file in C:\ (or D:\) MagicBoardData\Student capture. • **Send File**: You can find a screen-captured file in C:\ (or D:\) MagicBoardData\Received file. MagicIMS Agent • **Send File**: To view transmitted files, go to the folder "install folder\Received file."
The exam or vote cannot be found on the Exam List.	Move the test file (*.sqt) to the folder specified by using the MagicIMS **Vote/Exam** option of the **Settings** menu under the **Tool** tab in MagicIMS.

08

Install and Restore of the OS on the PIM for the Interactive Whiteboard

Note

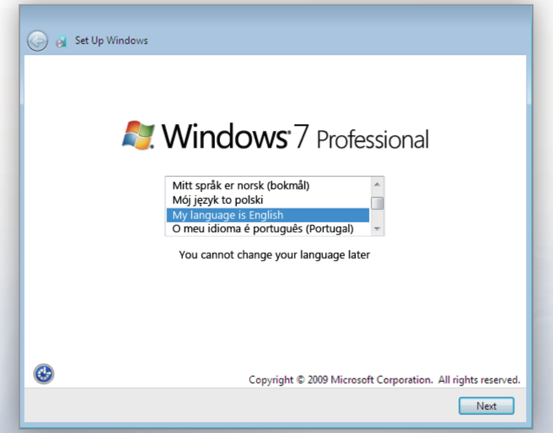
✓ The Plug In Module (PIM) for the Interactive Whiteboard is equipped with Microsoft Windows 7.

8-1

Installing the OS on the PIM for the Interactive Whiteboard

The operating system installs according to the following steps when the Plug In Module (PIM) for the Interactive Whiteboard is launched for the first time.

1.


Set Up Windows
Windows 7 Professional
Mitt språk er norsk (bokmål)
Mój język to polski
O meu idioma é português (Portugal)
Next

My language is English

You cannot change your language later

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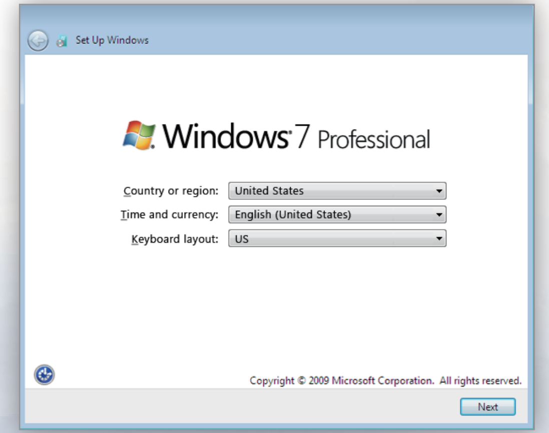
Select a language for the operating system, and then click **Next**.

Note

Make sure to Choose the operating system language correctly when using the product for the first after purchase. It is not possible to change the language after initial setup.

2.


Set Up Windows
Windows 7 Professional
Next

Country or region: United States

Time and currency: English (United States)

Keyboard layout: US

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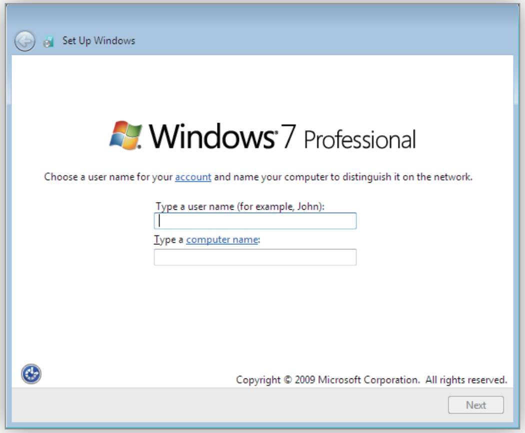
Enter your preferences and click **Next**.

3.



Choose a user name for your account and name your computer to distinguish it on the network.

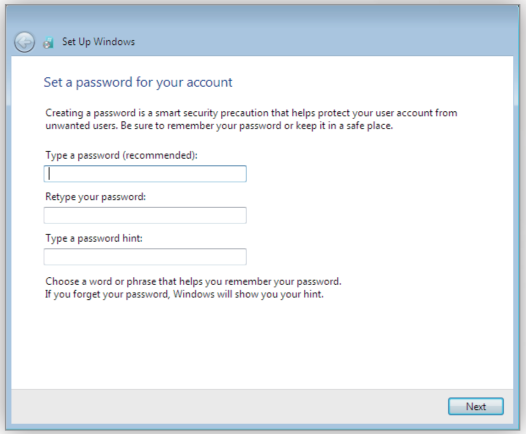
Type a user name (for example, John):

Type a computer name:

Copyright © 2009 Microsoft Corporation. All rights reserved.

Enter the user account name and computer identification name on the network. Click **Next** to continue.

4.



Set a password for your account

Creating a password is a smart security precaution that helps protect your user account from unwanted users. Be sure to remember your password or keep it in a safe place.

Type a password (recommended):

Retype your password:

Type a password hint:

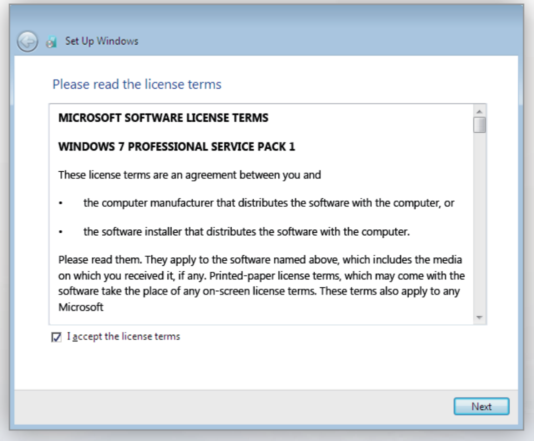
Choose a word or phrase that helps you remember your password.
If you forget your password, Windows will show you your hint.

Set the password for the user account and click **Next**.

Note

If you click **Next** without entering a password, any password will not be set. It is strongly recommended to set a password for security.

5.



Please read the license terms

MICROSOFT SOFTWARE LICENSE TERMS

WINDOWS 7 PROFESSIONAL SERVICE PACK 1

These license terms are an agreement between you and

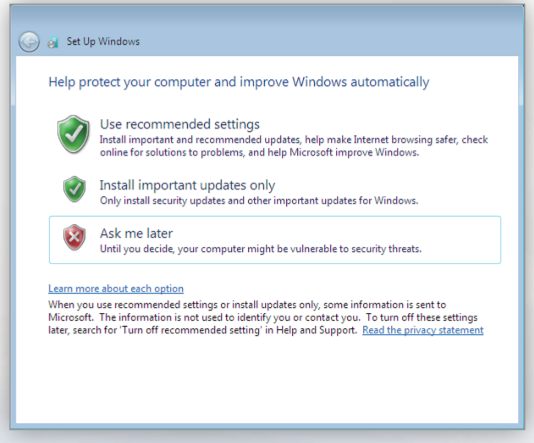
- the computer manufacturer that distributes the software with the computer, or
- the software installer that distributes the software with the computer.

Please read them. They apply to the software named above, which includes the media on which you received it, if any. Printed-paper license terms, which may come with the software take the place of any on-screen license terms. These terms also apply to any Microsoft

☑ I accept the license terms

When the terms of the software license agreement appear, select the **I accept the license terms** checkbox after reading. Click **Next** to continue.

6.



Help protect your computer and improve Windows automatically

Use recommended settings
Install important and recommended updates, help make Internet browsing safer, check online for solutions to problems, and help Microsoft improve Windows.

Install important updates only
Only install security updates and other important updates for Windows.

Ask me later
Until you decide, your computer might be vulnerable to security threats.

Learn more about each option

When you use recommended settings or install updates only, some information is sent to Microsoft. The information is not used to identify you or contact you. To turn off these settings later, search for 'Turn off recommended setting' in Help and Support. Read the privacy statement

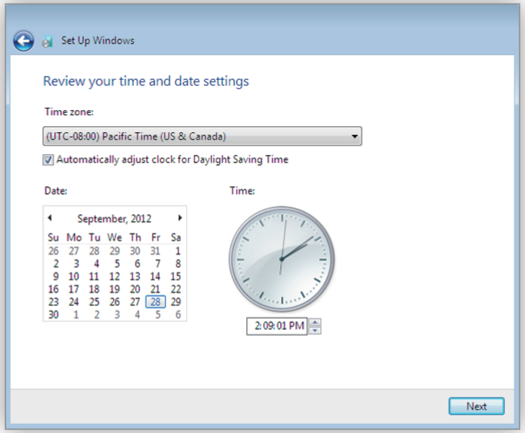
Installation options are displayed.

Click **Ask me later**.

Note

Required components install automatically when the operating system is installed. It is not necessary to select an update option.

7.



Set Up Windows

Review your time and date settings

Time zone:

(UTC-08:00) Pacific Time (US & Canada)

☑ Automatically adjust clock for Daylight Saving Time

Date:

September, 2012

Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

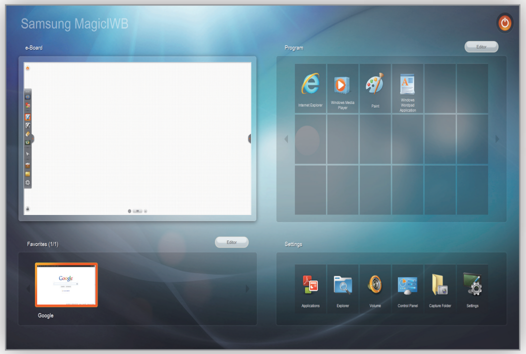
Time:

2:09:01 PM

Next

Set the date and time. Click **Next** to continue.

8.



Samsung MagicIWB
e-Board
Program
Editor
Internet Explorer
Windows Media Player
Paint
Windows Wordpad Application
Favorites (1/1)
Editor
Google
Settings
Applications
Explorer
Volume
Control Panel
Capture Folder
Settings

After the operating system is installed, the system will restart automatically and display the Interactive Whiteboard screen.

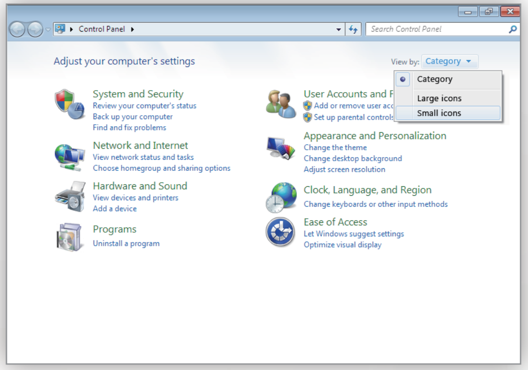
8-2

Restoring the OS on the PIM for the Interactive Whiteboard

If the Interactive Whiteboard Plug In Module (PIM) does not function properly or the performance deteriorates, restore the operating system.

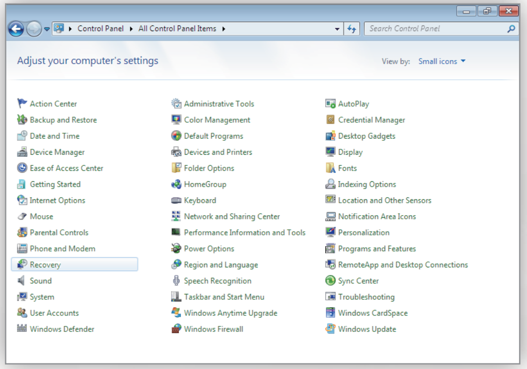
Restoring the OS deletes all of the existing data. Make sure to back up important data to another storage device before restoration, such as a USB memory device or external hard drive.

1.


Control Panel
Search Control Panel
Adjust your computer's settings
View by: Category
Category
Large icons
Small icons
System and Security
Review your computer's status
Back up your computer
Find and fix problems
Network and Internet
View network status and tasks
Choose homegroup and sharing options
Hardware and Sound
View devices and printers
Add a device
Programs
Uninstall a program
User Accounts and F
Add or remove user acc
Set up parental controls
Appearance and Personalization
Change the theme
Change desktop background
Adjust screen resolution
Clock, Language, and Region
Change keyboards or other input methods
Ease of Access
Let Windows suggest settings
Optimize visual display

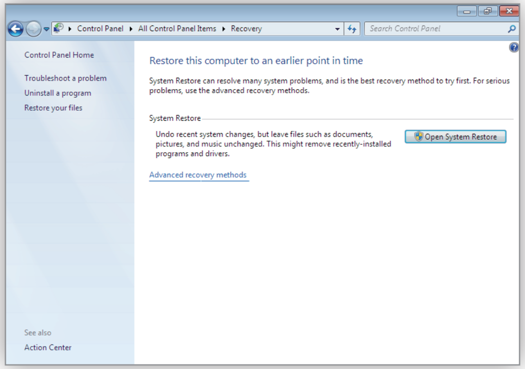
Go to **Control Panel** and change the control panel view mode to **Small icons**.

2.


Control Panel
All Control Panel Items
Search Control Panel
Adjust your computer's settings
View by: Small icons
Action Center
Backup and Restore
Date and Time
Device Manager
Ease of Access Center
Getting Started
Internet Options
Mouse
Parental Controls
Phone and Modem
Recovery
Sound
System
User Accounts
Windows Defender
Administrative Tools
Color Management
Default Programs
Devices and Printers
Folder Options
HomeGroup
Keyboard
Network and Sharing Center
Performance Information and Tools
Power Options
Region and Language
Speech Recognition
Taskbar and Start Menu
Windows Anytime Upgrade
Windows Firewall
AutoPlay
Credential Manager
Desktop Gadgets
Display
Fonts
Indexing Options
Location and Other Sensors
Notification Area Icons
Personalization
Programs and Features
RemoteApp and Desktop Connections
Sync Center
Troubleshooting
Windows CardSpace
Windows Update

Click **Recovery**.

3.


Control Panel ▸ All Control Panel Items ▸ Recovery
Search Control Panel
Control Panel Home
Troubleshoot a problem
Uninstall a program
Restore your files
See also
Action Center
Open System Restore
Advanced recovery methods

Restore this computer to an earlier point in time

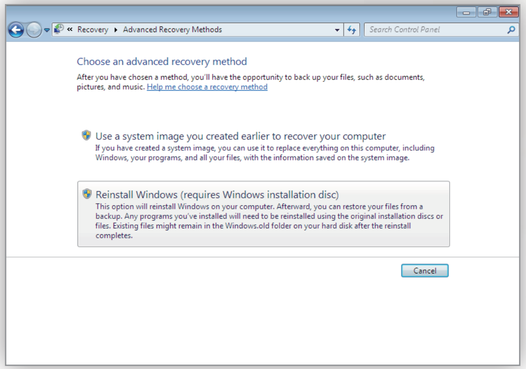
System Restore can resolve many system problems, and is the best recovery method to try first. For serious problems, use the advanced recovery methods.

System Restore

Undo recent system changes, but leave files such as documents, pictures, and music unchanged. This might remove recently-installed programs and drivers.

Click **Advanced recovery methods**.

4.


« Recovery ▸ Advanced Recovery Methods
Search Control Panel
Help me choose a recovery method
Cancel

Choose an advanced recovery method

After you have chosen a method, you'll have the opportunity to back up your files, such as documents, pictures, and music. Help me choose a recovery method

Use a system image you created earlier to recover your computer

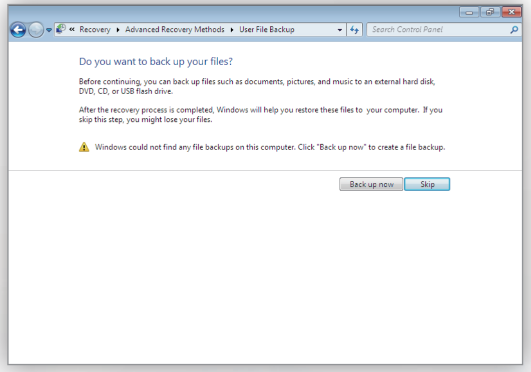
If you have created a system image, you can use it to replace everything on this computer, including Windows, your programs, and all your files, with the information saved on the system image.

Reinstall Windows (requires Windows installation disc)

This option will reinstall Windows on your computer. Afterward, you can restore your files from a backup. Any programs you've installed will need to be reinstalled using the original installation discs or files. Existing files might remain in the Windows.old folder on your hard disk after the reinstall completes.

Click **Reinstall Windows**.

5.


« Recovery ▸ Advanced Recovery Methods ▸ User File Backup
Search Control Panel
Back up now
Skip

Do you want to back up your files?

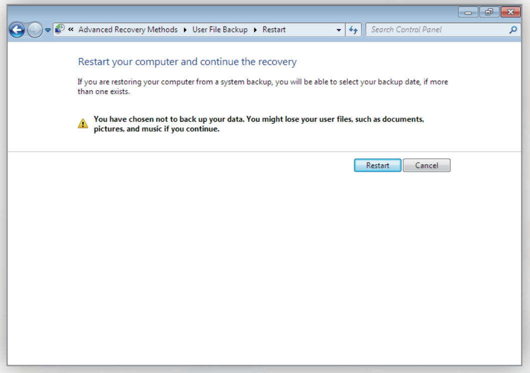
Before continuing, you can back up files such as documents, pictures, and music to an external hard disk, DVD, CD, or USB flash drive.

After the recovery process is completed, Windows will help you restore these files to your computer. If you skip this step, you might lose your files.

⚠ Windows could not find any file backups on this computer. Click "Back up now" to create a file backup.

When the user file backup page appears, select **Skip**.

6.


« Advanced Recovery Methods ▸ User File Backup ▸ Restart
Search Control Panel
Restart
Cancel

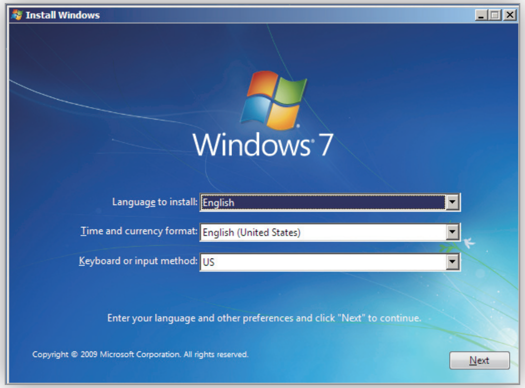
Restart your computer and continue the recovery

If you are restoring your computer from a system backup, you will be able to select your backup date, if more than one exists.

⚠ **You have chosen not to back up your data. You might lose your user files, such as documents, pictures, and music if you continue.**

Click **Restart**. The system restarts automatically.

7.


Install Windows
Windows 7
Next

Language to install: English
Time and currency format: English (United States)
Keyboard or input method: US

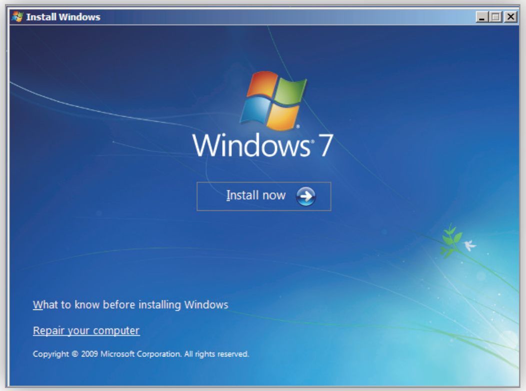
Enter your language and other preferences and click "Next" to continue.

Copyright © 2009 Microsoft Corporation. All rights reserved.

The operating system reinstall screen appears. Enter your language and other preferences. Click **Next** to continue.

Note The reinstall screen appears in the language from the previous install

8.


Install Windows
Windows 7
Install now
What to know before installing Windows
Repair your computer

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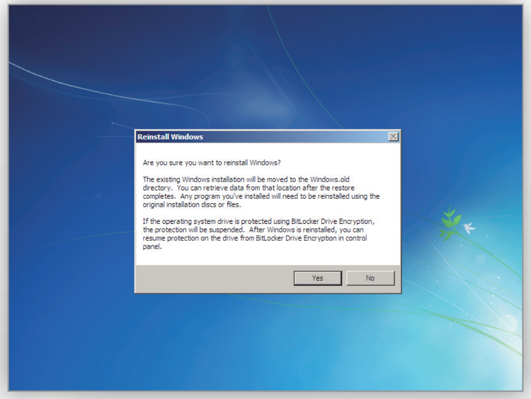
Click **Repair your computer**.

9.


Reinstall Windows
Yes
No

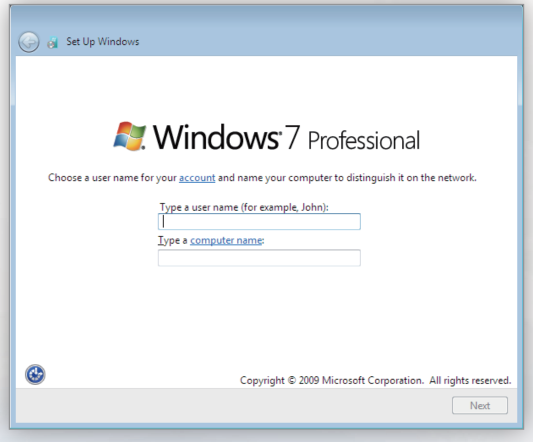
Are you sure you want to reinstall Windows?

The existing Windows installation will be moved to the Windows.old directory. You can retrieve data from that location after the restore completes. Any program you've installed will need to be reinstalled using the original installation discs or files.

If the operating system drive is protected using BitLocker Drive Encryption, the protection will be suspended. After Windows is reinstalled, you can resume protection on the drive from BitLocker Drive Encryption in control panel.

When the Windows reinstall confirmation prompt appears, click **Yes**.

10.


Set Up Windows
Windows 7 Professional
Next

Choose a user name for your account and name your computer to distinguish it on the network.

Type a user name (for example, John):

Type a computer name:

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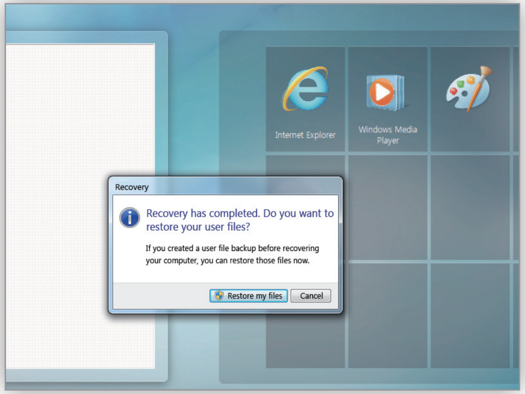
The system will restart and reinstall the operating system automatically.

Refer to "Installing the OS on the PIM for the Interactive Whiteboard" for further details on the installation process.

11.


Internet Explorer
Windows Media Player
Recovery
Restore my files
Cancel

Recovery has completed. Do you want to restore your user files?

If you created a user file backup before recovering your computer, you can restore those files now.

After operating system is reinstalled, the user file restore confirmation prompt appears.

Click **Cancel** to complete the operating system recovery.

09

Appendix

9-1

Contact SAMSUNG WORLDWIDE

Note

✓ If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

NORTH AMERICA		
U.S.A	1-800-SAMSUNG (726-7864)	http://www.samsung.com
CANADA	1-800-SAMSUNG (726-7864)	http://www.samsung.com/ca (English) http://www.samsung.com/ca_fr (French)
MEXICO	01-800-SAMSUNG (726-7864)	http://www.samsung.com

LATIN AMERICA		
ARGENTINE	0800-333-3733	http://www.samsung.com
BOLIVIA	800-10-7260	http://www.samsung.com
BRAZIL	0800-124-421 4004-0000	http://www.samsung.com
CHILE	800-SAMSUNG (726-7864) From mobile 02-482 82 00	http://www.samsung.com
COLOMBIA	01-8000112112	http://www.samsung.com

LATIN AMERICA		
COSTA RICA	0-800-507-7267	http://www.samsung.com/latin (Spanish) http://www.samsung.com/latin_en (English)
DOMINICA	1-800-751-2676	http://www.samsung.com/latin (Spanish) http://www.samsung.com/latin_en (English)
ECUADOR	1-800-10-7267	http://www.samsung.com/latin (Spanish) http://www.samsung.com/latin_en (English)
EL SALVADOR	800-6225	http://www.samsung.com/latin (Spanish) http://www.samsung.com/latin_en (English)
GUATEMALA	1-800-299-0013	http://www.samsung.com/latin (Spanish) http://www.samsung.com/latin_en (English)
HONDURAS	800-27919267	http://www.samsung.com/latin (Spanish) http://www.samsung.com/latin_en (English)

LATIN AMERICA		
JAMAICA	1-800-234-7267	http://www.samsung.com
NICARAGUA	00-1800-5077267	http://www.samsung.com/latin (Spanish) http://www.samsung.com/latin_en (English)
PANAMA	800-7267	http://www.samsung.com/latin (Spanish) http://www.samsung.com/latin_en (English)
PERU	0-800-777-08	http://www.samsung.com
PUERTO RICO	1-800-682-3180	http://www.samsung.com
TRINIDAD & TOBAGO	1-800-SAMSUNG (726-7864)	http://www.samsung.com
VENEZUELA	0-800-100-5303	http://www.samsung.com

EUROPE		
AUSTRIA	0810 - SAMSUNG (7267864, € 0.07/min)	http://www.samsung.com
BELGIUM	02-201-24-18	http://www.samsung.com/be (Dutch) http://www.samsung.com/be_fr (French)
BOSNIA	05 133 1999	http://www.samsung.com
BULGARIA	07001 33 11 , normal tariff	http://www.samsung.com
CROATIA	062 SAMSUNG (062 726 7864)	http://www.samsung.com
CYPRUS	8009 4000 only from landline (+30) 210 6897691 from mobile and land line	http://www.samsung.com
CZECH	800 - SAMSUNG (800-726786)	http://www.samsung.com
	Samsung Electronics Czech and Slovak, s.r.o., Oasis Florenc, Sokolovsk?394/17, 180 00, Praha 8	
DENMARK	70 70 19 70	http://www.samsung.com
EIRE	0818 717100	http://www.samsung.com
ESTONIA	800-7267	http://www.samsung.com
FINLAND	09 85635050	http://www.samsung.c
FRANCE	01 48 63 00 00	http://www.samsung.com
GERMANY	0180 5 SAMSUNG bzw. 0180 5 7267864* (*0,14 €/Min. aus dem dt. Festnetz, aus dem Mobilfunk max. 0,42 €/Min.)	http://www.samsung.com
GREECE	80111-SAMSUNG (80111 726 7864) only from land line (+30) 210 6897691 from mobile and land line	http://www.samsung.com
HUNGARY	06-80-SAMSUNG (726-7864)	http://www.samsung.com
ITALIA	800-SAMSUNG (726-7864)	http://www.samsung.com
LATVIA	8000-7267	http://www.samsung.com
LITHUANIA	8-800-77777	http://www.samsung.com
LUXEMBURG	261 03 710	http://www.samsung.com
MACEDONIA	023 207 777	http://www.samsung.com
MONTENEGRO	020 405 888	http://www.samsung.com

EUROPE		
NETHERLANDS	0900 - SAMSUNG (0900-7267864) (€ 0,10/Min)	http://www.samsung.com
NORWAY	815 56480	http://www.samsung.com
POLAND	0 801-1SAMSUNG (172-678) +48 22 607-93-33	http://www.samsung.com
PORTUGAL	808 20 - SAMSUNG (808 20 7267)	http://www.samsung.com
RUMANIA	08008 SAMSUNG (08008 726 7864) TOLL FREE No.	http://www.samsung.com
SERBIA	0700 Samsung (0700 726 7864)	http://www.samsung.com
SLOVAKIA	0800 - SAMSUNG (0800-726 786)	http://www.samsung.com
SPAIN	902 - 1 - SAMSUNG (902 172 678)	http://www.samsung.com
SWEDEN	0771 726 7864 (SAMSUNG)	http://www.samsung.com
SWITZERLAND	0848-SAMSUNG (7267864, CHF 0.08/min)	http://www.samsung.com/ch (German) http://www.samsung.com/ch_fr (French)

EUROPE		
U.K	0330 SAMSUNG (7267864)	http://www.samsung.com

CIS		
ARMENIA	0-800-05-555	http://www.samsung.com
AZERBAIJAN	088-55-55-555	http://www.samsung.com
BELARUS	810-800-500-55-500	http://www.samsung.com
GEORGIA	0-800-555-555	http://www.samsung.com
KAZAKHSTAN	8-10-800-500-55-500 (GSM: 7799)	http://www.samsung.com
KYRGYZSTAN	00-800-500-55-500	http://www.samsung.com
MOLDOVA	0-800-614-40	http://www.samsung.com
MONGOLIA	+7-800-555-55-55	http://www.samsung.com
RUSSIA	8-800-555-55-55	http://www.samsung.com
TADJIKISTAN	8-10-800-500-55-500	http://www.samsung.com

CIS

UKRAINE	0-800-502-000	http://www.samsung.com/ua (Ukrainian) http://www.samsung.com/ua_ru (Russian)
UZBEKISTAN	8-10-800-500-55-500	http://www.samsung.com

ASIA PACIFIC

AUSTRALIA	1300 362 603	http://www.samsung.com
CHINA	400-810-5858	http://www.samsung.com
HONG KONG	(852) 3698 - 4698	http://www.samsung.com/hk (Chinese) http://www.samsung.com/hk_en (English)
INDIA	1800 1100 11 3030 8282 1800 3000 8282 1800 266 8282	http://www.samsung.com
INDONESIA	0800-112-8888 021-5699-7777	http://www.samsung.com
JAPAN	0120-327-527	http://www.samsung.com

ASIA PACIFIC

MALAYSIA	1800-88-9999	http://www.samsung.com
NEW ZEALAND	0800 SAMSUNG (0800 726 786)	http://www.samsung.com
PHILIPPINES	1-800-10-SAMSUNG (726-7864) for PLDT 1-800-3-SAMSUNG (726-7864) for Digitel 1-800-8-SAMSUNG (726-7864) for Globe 02-5805777	http://www.samsung.com
SINGAPORE	1800-SAMSUNG (726-7864)	http://www.samsung.com
TAIWAN	0800-329-999 0266-026-066	http://www.samsung.com
THAILAND	1800-29-3232 02-689-3232	http://www.samsung.com
VIETNAM	1 800 588 889	http://www.samsung.com

MIDDLE EAST		
BAHRAIN	8000-4726	http://www.samsung.com/ae (English) http://www.samsung.com/ae_ar (Arabic)
EGYPT	08000-726786	http://www.samsung.com
IRAN	021-8255	http://www.samsung.com
JORDAN	800-22273 065777444	http://www.samsung.com
KUWAIT	183-2255	http://www.samsung.com/ae (English) http://www.samsung.com/ae_ar (Arabic)
MOROCCO	080 100 2255	http://www.samsung.com
OMAN	800-SAMSUNG (726-7864)	http://www.samsung.com/ae (English) http://www.samsung.com/ae_ar (Arabic)
SAUDI ARABIA	9200-21230	http://www.samsung.com/ae (English) http://www.samsung.com/ae_ar (Arabic)
TURKEY	444 77 11	http://www.samsung.com

MIDDLE EAST		
U.A.E	800-SAMSUNG (726-7864)	http://www.samsung.com

AFRICA		
ANGOLA	91-726-7864	http://www.samsung.com
BOTSWANA	0800-726-000	http://www.samsung.com
CAMEROON	7095- 0077	http://www.samsung.com
COTE D' IVOIRE	8000 0077	http://www.samsung.com
GHANA	0800-10077 0302-200077	http://www.samsung.com
KENYA	0800 724 000	http://www.samsung.com
NAMIBIA	8197267864	http://www.samsung.com
NIGERIA	0800-726-7864	http://www.samsung.com
SENEGAL	800-00-0077	http://www.samsung.com
SOUTH AFRICA	0860-SAMSUNG (726-7864)	http://www.samsung.com
TANZANIA	0685 88 99 00	http://www.samsung.com

AFRICA		
UGANDA	0800 300 300	http://www.samsung.com
ZAMBIA	211350370	http://www.samsung.com